

BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

**Gregory Scott
Edward A. Garvey
Marshall Johnson
LeRoy Koppendraye
Phyllis Reha**

**Chair
Commissioner
Commissioner
Commissioner
Commissioner**

**In the Matter of a Commission)
Investigation into Qwest's Compliance)
with Section 271(c)(2)(B) of the)
Telecommunications Act of 1996;)
Checklist Items 1, 2, 4, 5, 6, 11, 13 and)
14)
)**

**PUC Docket No. P-421/CI-01-1371
OAH Docket No. 7-2500-14486-2**

QWEST CORPORATION'S

AFFIDAVIT

OF

DENNIS PAPPAS

**CHECKLIST ITEMS 2 and 4 –
UNBUNDLED LOOPS, SUBLOOPS AND NIDS**

August 2, 2002

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AFFIDAVIT
OF
DENNIS PAPPAS

Checklist Items 2 and 4 – Unbundled Loops, Subloops and NIDS

Dennis Pappas states as follows:

My name is Dennis Pappas. My business address is 700 Mineral Ave.,
Room MNH19.15 Littleton CO. 80120. I am a Director in the Technical
Regulatory Group, Local Network Organization at Qwest Corporation ("Qwest").

My work experience, present responsibilities and educational background
are contained in Exhibit DP-LOOP-1. I have previously filed testimony before
this Commission in the cost docket, PUC Docket No. P-421/CI-01-1375.

I. PURPOSE OF AFFIDAVIT AND IDENTIFICATION OF AFFIDAVIT
PORTIONS ADOPTED.

The purpose of this affidavit is to inform the Minnesota Public Utilities
Commission and the parties in this docket that I will be adopting portions of the
affidavits of Jean M. Liston on unbundled loops and network interface devices
("NIDs") and the portion of the affidavit of Karen A. Stewart regarding subloops. I
am also providing reply testimony to the testimony of the Minnesota CLECs
regarding unbundled loops, subloops, and NIDs.

1 I have read the direct affidavit of Ms. Liston and Ms. Stewart. I am
2 adopting the portions of Ms. Liston's affidavit that address unbundled loops and
3 NIDs. Although I address Ms. Camarota's testimony regarding access to
4 mechanized loop testing ("MLT") as a pre-provisioning or pre-delivery check, Ms.
5 Barbara Brohl is adopting those portions of Ms. Liston's affidavit addressing pre-
6 order loop qualification, and will be providing testimony on the pre-order loop
7 qualification tools that Qwest offers at the hearing. Ms. Stewart is adopting those
8 portions of Ms. Liston's affidavit addressing line splitting and will be addressing
9 that issue at the hearing.

10 Based on my professional experience, personal knowledge, and
11 information available to me in the normal course of my duties, I am prepared to
12 present Qwest's compliance with these portions of Checklist Items 2 and 4
13 addressing access to unbundled loops, subloops, and NIDs. I will be prepared to
14 receive any cross-examination appropriate to the portions of the affidavits on
15 unbundled loops, NIDs, and subloops that I am adopting.

16 17 **II. EXECUTIVE SUMMARY**

18 Qwest complies with the FCC's requirements regarding access to
19 unbundled loops, subloops, and NIDs. I address each of the issues the various
20 intervenors raise in this docket and demonstrate that Qwest satisfies the
21 requirements of checklist items 2 and 4 as they relate to loops, subloops and
22 NIDs. Specifically, I address the issues raised by Mr. Wilson representing AT&T,

1 Ms. Camarota and Mr. Grady of Covad, Mr. Price of WorldCom (WCom), and Mr.
2 Burns representing the CLEC Coalition.

3 My affidavit is organized into three major groupings: unbundled loops,
4 subloops, and finally NIDs.

5 **III. ISSUES RAISED REGARDING QWEST'S COMPLIANCE WITH THE**
6 **FCC'S REQUIREMENTS FOR LOOPS**

7 **a. Standard Loop Provisioning Intervals**

8 The standard unbundled loop provisioning intervals are set forth in Exhibit
9 C to the interconnection agreement between Qwest and FTTH on file with the
10 Commission¹ and in the Qwest Service Interval Guide (SIG). The standard
11 provisioning intervals were the result of a collaborative process in the Regional
12 Oversight Committee (ROC) between Qwest and the CLECs. During the course
13 of the 271 workshops in other jurisdictions, Qwest revised its SIG to reflect state-
14 specific wholesale Service Quality Rules including installation intervals. The
15 most current version of the SIG, which is available to CLECs at
16 www.qwest.com/wholesale/guides/sig/index.html, reflects both the standard
17 intervals and the state specific intervals, including those in Minnesota.

18 Based on input from all the parties involved in the ROC Technical Advisory
19 Group, TAG, the Performance Indicator Definition (PID) for the Average
20 Installation Interval, OP-4, was established with either a benchmark (for analog,

¹ The FTTH interconnection agreement was attached to the affidavit of Ms. Karen Stewart as Exhibit KAS-UNES-2. Qwest relies on the FTTH interconnection agreement

1 non-loaded capable loops and ADSL compatible loops) or parity with Qwest retail
2 service (all other loop types). In this proceeding, AT&T has challenged the
3 interval for DS-1 capable loops, and Covad has challenged the installation
4 interval for loop conditioning.

5 Installation Interval for DS-1 Capable Loops - AT&T challenges the DS-1
6 interval as set forth in Exhibit C of the FTTH Agreement and the SIG. The
7 performance measurement requirement for the DS-1 Installation Interval, OP-4,
8 is parity with Qwest retail DS-1 Private Lines. The current standard wholesale
9 interval for DS-1 capable loops is nine days, which mirrors the standard retail
10 installation interval for DS-1 Private Lines. The situation in Minnesota, however,
11 is very different than that portrayed by Mr. Wilson. Both the wholesale and the
12 retail intervals for DS-1 in high-density areas are 5 days for 1 to 8 loops.²

13 The FTTH Agreement also states that state specific rules take
14 precedence. In the course of proceedings on the merger between the former
15 U S WEST Communications, Inc. and Qwest, Qwest agreed to the DS-1 intervals
16 as presented in the current SIG. The following chart identifies the applicable
17 intervals for DS-1 capable loops in Minnesota.

and the other interconnection agreements filed with this Commission, in addition to the SGAT.

² The SIG can be found at www.qwest.com/wholesale/guides/sig/index.html.

Number of Loops	High Density	Low Density
1 - 8	5 days	8 days
9 -16	6 days	9 days
17 - 24	7 days	10 days
25 +	ICB	ICB

1

2 To determine if Qwest is providing DS-1 installations in parity with retail,
3 one can look at the OP-4 results. The following chart demonstrates that the
4 actual installation interval for DS-1 loops in Zone 1 is shorter than the Qwest
5 retail interval.

Installation Interval OP-4 - DS-1		
MONTH	DS-1 Capable Loop	RETAIL DS-1
March	6.73 days	11.07 days
April	7.36 days	11.85 days
May	7.45 days	12.61 days
June	6.67 days	13.91 days

6

7 Clearly, CLECs have been receiving better installation performance than
8 Qwest retail, negating any claim that the current DS-1 loop interval does not
9 afford CLECs a meaningful opportunity to compete. AT&T does not present any
10 evidence regarding the alleged “harm” associated with the existing wholesale
11 intervals for DS-1 loop installation. In fact, AT&T has never ordered a DS-1
12 capable loop in Minnesota.

13 AT&T also raises an issue regarding the Minnesota Alternative Form Of
14 Regulation (AFOR). As stated earlier the performance requirement for DS-1 is

1 parity with retail. Therefore, if the merger commitments were not in place in
2 Minnesota, then the DS-1 installation interval would lengthen and change to
3 mirror the Minnesota retail DS-1 interval. Regardless, AT&T's arguments are
4 inapplicable in Minnesota because if AT&T were to actually order a DS-1 loop in
5 this state, it would receive its requested interval.

6 Installation Interval for Loop Conditioning – Ms. Camarota on behalf of
7 Covad states that Qwest must reduce the loop conditioning installation interval
8 from 15 business days to 5 days. I am aware of no FCC or Minnesota
9 requirement that Qwest provide loop conditioning in this interval to meet its
10 Section 271 obligations. Moreover, Qwest has already acted to reduce its
11 conditioning interval. For example, in January 2001, Qwest reduced the
12 conditioning interval to the current 15 business days. At that time, Qwest also
13 made a commitment to continue to improve the overall provisioning interval for
14 conditioning.³ In March 2001, as a result of the Colorado 271 Workshop, Qwest
15 implemented a 2-month xDSL Firm Order Confirmation (FOC) Trial, which
16 included a 72-hour FOC, a pre-survey dispatch and a rapid recovery process to
17 find alternative facilities to provision xDSL services. Ms. Camarota's statement
18 that "as a result of the Colorado trial that Qwest implemented an eleven step
19 paper process"⁴ is incorrect. Qwest uses an 11-step assignment process, to

³ In response to Covad data request Set 2, Question 70, Qwest provided Covad of an explanation of the conditioning process. Exhibit-DP-LOOP-13 is a copy of that response.

⁴ Camarota Affidavit at 12.

1 obtain compatible facilities. This process includes line and station transfers and
2 the recovery of defective pairs; the entire process is described in the affidavit of
3 Ms. Liston, Exhibit JML-LOOP-13. The Qwest assignment process is the same
4 for retail and wholesale customers.

5 As part of the Colorado trial, Qwest and CLECs agreed that if the loop was
6 available prior to the due date, Qwest would notify the CLEC and if the CLEC
7 desired to have the loop early, it would be “turned- up” prior to the due date. As
8 a result of the 11-step assignment process, Qwest has been able to provision
9 loops in less than 15 business days because Qwest was able to find alternative
10 facilities that did not require the removal of bridged tap or load coils. If
11 conditioning does not occur, the conditioning charge, if applicable in that state or
12 for that CLEC, would not be assessed. However, if Qwest is not able to find
13 alternative facilities as part of the 11-step assignment process, it must perform
14 loop conditioning to meet the CLEC's request.

15 Ms. Camarota oversimplifies the process associated with conditioning and
16 provisioning a loop. It is not mostly clerical work. Exhibit JML-LOOP-16
17 attached to Ms. Liston's direct affidavit displays the process associated with loop
18 conditioning, which includes engineering, construction and provisioning activities.
19 Ms. Camarota ignores that the 15-day conditioning interval also includes
20 activities beyond the actual work of removing the load coils or bridged tap.
21 Specifically, most municipalities and cities have implemented separate rules
22 governing access into manholes where a majority of loop conditioning work is

1 conducted. Different entities have implemented differing time frames in which
2 notification and approval must be returned from each local municipality or each
3 Department of Transportation prior to initiating the work activity and entering
4 these utility holes. These time frames can be anywhere from a day to 4 or 5
5 days depending on the individual department and their requirements. If a
6 construction job is required to actually remove load coils or bridged taps, Qwest's
7 process requires 15 business days. This interval is comparable to the intervals
8 observed by Verizon, which has already received 271 approval in several states.⁵
9 In May 2002, the Installation Interval, OP-4, benchmark associated with
10 conditioned loops was discussed during a ROC meeting. Based on the input
11 from all parties, including the CLECs, the benchmark was reduced from 16.5
12 days down to 15 days. The FCC in its orders approving Verizon's Massachusetts
13 application and the then-Bell Atlantic New York application stated that when
14 benchmarks are established in a collaborative proceeding that involves all
15 interested carriers, those benchmarks are presumed to give carriers a
16 meaningful opportunity to compete.⁶ The creation of the PIDs through the ROC

⁵ Information based on Verizon intervals found at:
<http://www22.verizon.com/wholesale/lsp/bridge/0,2631,4-lib,FF.html#handbooks>.

⁶ Memorandum Opinion and Order, Application of Verizon New England Inc., Bell Atlantic Communications, Inc. (d/b/a Verizon Long Distance), NYNEX Long Distance Company (d/b/a Verizon Enterprise Solutions) And Verizon Global Networks Inc., For Authorization to Provide In-Region, *InterLATA Services in Massachusetts*, CC Docket No. 01-9, FCC 01-130 ¶ 13 (rel. Apr. 16, 2001) ("Verizon Massachusetts Order"); Bell Atlantic New York Order ¶ 55 ("At the same time, for functions for which there are no retail analogues, and for which performance benchmarks have been developed with the ongoing participation of affected competitors and the BOC, those standards may well

1 process was exactly that type of a collaborative process. In fact, Ms. Doberneck,
2 representing Covad, agreed with this position in Colorado.⁷ The CLECs' ability to
3 compete is two-fold. First, Qwest commits to provide conditioned loops in less
4 time than the benchmark whenever possible. Second, Qwest does not even
5 perform conditioning for its retail DSL customers. Therefore, CLECs can
6 provision DSL to customers not available to Qwest.

7
8 In short, the existing interval is consistent with that of another ILEC that
9 has received 271 approval, and Qwest provides the CLECs with an opportunity
10 to receive the loop early when facilities are available. Covad has presented no
11 evidence to support a modification of this interval and, most important, no
12 evidence that the current interval deprives it of a meaningful opportunity to
13 compete.

14 Finally, in the ROC TAG, all parties agreed that an average installation
15 interval of 15.0 days for loop conditioning would provide CLECs a meaningful
16 Moreover, in hearings in Colorado, Ms. Megan Doberneck on behalf of Covad
17 agreed that meeting performance standards provided Covad with a meaningful
18 opportunity to compete.⁸ Qwest is consistently besting this interval that allows
19 CLECs to compete.

reflect what competitors in the marketplace feel they need in order to have a meaningful opportunity to compete").

⁷ Exhibit DP-LOOP-14, Colorado Transcript excerpt from February 5, 2002.

⁸ See DP-Loop-14.

1 Repair Interval for Analog Loops - AT&T claims that the loop repair
2 interval for analog loops should be shortened from the current 24 hours to 18
3 hours. AT&T makes reference to the parity definition in the Ameritech Michigan
4 Order⁹ and follows it with a discussion regarding the Qwest's retail mean time to
5 restore performance. AT&T fails to note several key factors:

- 6 • The FCC has determined that repair services are to be provided to
7 CLECs at parity with analogous retail services. Parity as used by the
8 FCC means that the interval standards will be the same, not something
9 less than the retail interval for the CLECs. For example, in the Bell
10 Atlantic New York Order, the FCC notes:

11 We further conclude that Bell Atlantic demonstrates that it is
12 providing maintenance and repair functions for unbundled local
13 loops in substantially the same time and manner in which it
14 provides those functions to its retail customers.Rather, we
15 find that Bell Atlantic provides nondiscriminatory maintenance and
16 repair services for the unbundled loops it provides to competing
17 carriers.¹⁰
18

19 The New York Carrier-to-Carrier performance data demonstrate
20 that Bell Atlantic performs maintenance and repair functions with
21 respect to loops provisioned to competitors in substantially the
22 same time and manner that it does with respect to loops provided
23 to its retail customers.¹¹
24

- 25 • The MR-3 PID, which measures the percent of troubles cleared in 24
26 hours is a parity measure that compares Qwest's wholesale

9 Ameritech Michigan Order, ¶139.

10 Bell Atlantic New York Order ¶ 310.

11 Id. ¶ 311.

1 performance to its retail performance, as required by the FCC. The
2 parties to the ROC TAG agreed that this would be the performance
3 appropriate standard that allows them a meaningful opportunity to
4 compete. For March through June 2002, the wholesale performance
5 exceeded the retail performance for analog loops. Additionally, the
6 wholesale performance exceeded the Minnesota rules to clear 95% of
7 the repair troubles in 24 hours.

- 8 • AT&T attempts to argue that the CLECs need the interval changed to
9 provide them with a meaningful opportunity to compete. However,
10 AT&T does not tell the entire story. AT&T relies on the Qwest's retail
11 mean time to restore performance, but AT&T never discusses the
12 wholesale results. The Mean Time to Restore PID, MR-6, is a parity
13 measure, so Qwest is required to provide service restoration parity.
14 The following chart displays the Minnesota wholesale versus retail
15 mean time to restore performance for analog loops. The data clearly
16 indicates that Qwest's performance provides the CLECs with a
17 meaningful opportunity to compete. In fact for the past four months
18 ending in June of 2002, the CLECs service was restored at least 2.5
19 hours sooner than the Qwest retail service.

Mean Time to Restore MR-6 - Analog Loops		
MONTH	CLEC- ANALOG	QWEST RETAIL
March	7 Hrs. 30 Min	10 Hrs. 10 Min
April	5 Hrs. 53 Min	11 Hrs. 20 Min
May	6 Hrs. 33 Min	10 Hrs. 43 Min
June	7 Hrs	17 Hrs. 14 Min

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AT&T has not presented any compelling evidence why the repair interval should be shortened. AT&T's claims regarding the so-called tasks it must perform and the time these tasks might take is flawed. Throughout the 271 workshop proceedings, AT&T has never quantified any additional AT&T repair time. For example, AT&T has never presented any evidence regarding time spent performing trouble isolation prior to opening a Qwest repair ticket. Second, Qwest has provided the CLECs with an electronic interface for opening trouble tickets. Therefore, as soon as AT&T issues the trouble ticket, the 24-hour repair clock starts for Qwest. As a result, the difference between the start of the AT&T repair time and the Qwest repair start time is minimal, at best. Furthermore, AT&T's remaining claims regarding the tasks it must perform upon completion of repairs is erroneous. In AT&T's presentation of the "facts," AT&T would close the repair ticket with Qwest, *then* call the customer to ensure that the service is working, and finally close the AT&T repair ticket. This makes no sense. Prior to closing a repair ticket, the CLEC and Qwest typically perform a cooperative test to ensure continuity. Once the facility tests good, then both companies close out the trouble ticket. The Qwest wholesale repair ticket is not closed until the CLEC agrees that the service is repaired. Simple logic suggests that AT&T would not

1 accept or agree to close a repair ticket until it was sure that the service was
2 working. In essence, the only work remaining for AT&T to conduct is notifying
3 their end user that the trouble has been repaired.

4 The Minnesota performance results indicate that the wholesale analog
5 repair interval is consistently shorter than the Qwest retail interval and is
6 consistently less than 24 hours. Thus, CLECs have more than enough time to
7 perform any of the repair tasks they must perform within the 24-hour window.
8 Every state commission to consider this issue to date has agreed with Qwest on
9 this issue. Based on the ROC collaborative MR-3 PID Qwest is providing CLECs
10 with the ability to compete, and is in compliance with the FCC requirement of
11 retail parity. Qwest's position has been upheld in every other jurisdiction.

12 **b. Order Rejection Due to Conditioning**

13 Mr. Price representing WCom indicates that “Qwest should not be
14 permitted to reject the CLEC’s order based on Qwest’s determination that the
15 loop at issue requires conditioning.” Mr. Price’s concerns are unfounded. All of
16 the references to the Arizona Dialtone agreement cited by Mr. Price are related
17 to the need to condition the loop in order for it to conform to the service type
18 requested by the CLEC.

19 When a CLEC orders a 2-wire non-loaded loop, Qwest will always attempt
20 to provision the request on existing non-loaded copper facilities. However, if the
21 only available copper facilities are loaded, and the CLEC did not pre-authorize
22 conditioning, Qwest will inform the CLEC that conditioning is necessary. If the

CLEC does not revise the LSR to approve the removal of the load coils, Qwest will not be able to fill the request because the requested 2-wire non-loaded loop does not exist, and the CLEC has not approved the removal of load coils. Additionally, Qwest will remove excessive bridged tap as necessary to ensure the loop meets the ANSI standards of the NC/NCI codes provided by the CLEC. If requested by the CLEC, Qwest will remove additional bridged tap (with the exception of stub cable). This is true for Line Sharing as well.

c. Conditioning Charges for Loops Under 18,000 Feet

Mr. Price also claims that loop-conditioning charges associated with loops under 18,000 feet should not be assessed to the CLECs. Mr. Price bases his claim on the fact the current industry standards require that loops under 18,000 feet are non-loaded. Mr. Price fails to recognize two critical pieces of information.

First, in Minnesota, Qwest does not charge for conditioning based on an agreement between Qwest and the Minnesota Commission. The determination of future conditioning charges will be decided as part of the cost docket.

Second, in the UNE Remand Order the FCC clearly ruled on the cost recovery for conditioning loops less than 18,000 feet:

We agree that networks built today normally should not require voice-transmission enhancing devices on loops of 18,000 feet or shorter. Nevertheless, the devices are sometimes present on such loops, and the incumbent LEC may incur costs in removing them. Thus, under our rules,

1 the incumbent should be able to charge for conditioning such
2 loops.¹²

3
4 Therefore, the FCC authorizes conditioning charges on loops, regardless
5 of length. Additionally, a federal court judge in Colorado held that Qwest has the
6 right to recover costs it incurs to condition loops of less than 18,000 feet.¹³
7 Therefore, both the FCC and a Colorado federal court have ruled that Qwest is
8 entitled to recovery of costs it incurs to condition loops, including costs for
9 conditioning loops that are less than 18,000 feet from the central office.

10 Mr. Price's reference to the industry standards for loops under 18,000 feet
11 imply that a requirement exists to eliminate load coils on existing short loops.
12 This is not the case. There are no requirements "to bring certain loops into
13 compliance."¹⁴ The FCC did not require ILECs to retrofit their networks. As
14 acknowledged by WCom, Qwest's mass grooming project minimized the number
15 of loops under 18,000 feet that will require conditioning. Additionally, Qwest will
16 conduct additional mass grooming in 2002 involving 25 wire centers and 51
17 Distribution Areas in Minnesota. The DA selection criteria were arrived at
18 through a mutual decision making process between Qwest and CLECs. Network
19 Disclosure 459, <http://www.qwest.com/disclosures/netdisclosure459/deload.html>,

¹² UNE Remand Order at ¶193.

¹³ U S WEST Communications, Inc. v. Hix, Civil Action No. 97-D-152
(consolidated), Order at 10 (D.Colo. June 23, 2000).

¹⁴ Price Affidavit at 42.

1 which is available to CLECs, displays the criteria and the DAs that will be part of
2 this project.

3 Based on the fact that the FCC has authorized ILECs to recover costs
4 associated with conditioning all loops and Qwest's mass grooming project, Qwest
5 believes that it is appropriate for Qwest to recover its costs for conditioning loops
6 less than 18,000 feet.

7 **d. Conditioning Charge Refund**

8 AT&T also claims that if Qwest is entitled to a separate conditioning
9 charge, then Qwest should refund conditioning charges if the CLEC's end user
10 experience is affected by "Qwest's poor performance causing an end user to
11 abandon the CLEC."¹⁵ For Minnesota, this is a moot point because, as described
12 above, Qwest currently does not charge for conditioning. AT&T has raised this
13 issue in every jurisdiction and has changed its story repeatedly. In the Multi-state
14 proceedings, AT&T recommended SGAT language that would require Qwest to
15 refund conditioning charges under a variety of circumstances, including the loss
16 of the customer. As pointed out by Qwest and the Multi-state Facilitator, the
17 issue of determining fault and what constitutes poor performance from an end
18 user's perspective could prove problematic. The end user's trouble could stem
19 from the type of DSL service or equipment provided by the CLEC and losing a
20 customer could have nothing to do with the way the loop was conditioned. To
21 resolve this issue, the Facilitator recommended a compromise position providing

1 that Qwest would refund the conditioning charge to the CLEC if Qwest failed to
2 meet a committed due date and the CLEC customer did not connect within 3
3 months. Additionally, Qwest should provide one-half credit for conditioning under
4 various circumstances described. Although Qwest did not fully agree with the
5 Facilitator's recommendation, it did make the language changes and
6 implemented this policy in all states.¹⁶

7 Given AT&T's limited experience with any xDSL loops in Minnesota or
8 elsewhere in Qwest's 14-state region, with or without conditioning, it is highly
9 unlikely that Mr. Wilson's arguments are based on any real experiences that
10 AT&T has faced. Furthermore, Qwest's performance with respect to the quality
11 of its installations for DSL loops is excellent. The New Installation Quality PID,
12 OP-5, measures the number of loops that have a trouble ticket issued against
13 them within the first 30 days following installation. The installation quality for 2-
14 wire non-loaded loops, the predominate loop type that requires conditioning, has
15 been outstanding for the four months ending in June 2002. The following chart
16 displays the OP-5 performance for Minnesota.

¹⁵ Id.

¹⁶ Exhibit DP-LOOP-16 is a copy of the Multi-state Facilitator's Report on Workshop 3, Group 4, Checklist Items 2, 4, 5, and 6 (Aug. 20, 2001).

New Installation Quality OP-5 – 2-Wire Non-Loaded		
Month	2-Wire Non-Loaded Loops	Qwest Retail
March	98.70%	95.66%
April	97.25%	97.57%
May	98.41%	97.47%
June	98.40%	96.90%

1

2 The OP-5 results for non-loaded loops clearly demonstrate CLECs do not
3 experience the "poor quality" for loop conditioning that AT&T fears.

4 **e. Pre-order Mechanized Loop Testing**

5 Both AT&T and Covad claim to need access to Qwest's Mechanized Loop
6 Testing (MLT) on a pre-order basis. AT&T has argued that it should be allowed
7 full access to MLT to qualify loops for DSL service in the pre-order stages.¹⁷ Ms.
8 Camarota alleges that Covad needs access to MLT because of loop quality
9 concerns.¹⁸ There are several reasons why the request is unfounded on a pre-
10 order basis, many of which are addressed in the Affidavit of Barbara J. Brohl
11 regarding Pre-Order Loop Qualification.

12 First, AT&T claims to want to use this test for the qualification of xDSL
13 loops. As discussed by Ms. Brohl, an electronic MLT can only be performed on
14 loops with working telephone numbers that are connected to a Qwest switch.
15 Accordingly, for MLTs to be applicable for an unbundled loop, the loop would
16 have to be a conversion of an existing line, referred to as a "Hot Cut". The

¹⁷ Wilson Affidavit at 21.

¹⁸ Camarota Affidavit at 7.

1 number of existing lines that are converted to xDSL lines via "Hot Cuts" is very
2 small. The OP-7, Hot Cut PID indicates that in June there were only 5 non-
3 analog "hot cuts". In all of 2002, there have been less than 50 non-analog "Hot
4 Cuts", in Minnesota. In stark contrast, the number of orders for 2-wire non-
5 loaded loops and ISDN capable loops was over 1200 in 2002¹⁹. Because an
6 electronic MLT applies only in a "hot cut" situation, AT&T's requested
7 functionality does not have a real life application.

8 Second, to perform a MLT for an existing customer, AT&T is really asking
9 to access to a customer's working line -- a customer who is not AT&T's own
10 customer. This testing is not only invasive to the customer, but there are
11 potential issues which arise from accessing the line of another company's
12 customer since the customer could be a Qwest customer or the customer of
13 another CLEC using Qwest's switch-based services.

14 AT&T's demand raises an important fairness issue: an MLT cannot be
15 performed on unbundled loops that Qwest has provided to CLECs. Once the
16 loop is unbundled from the Qwest switch and transferred to the CLEC switch,
17 neither Qwest nor another CLEC would have the ability to perform a Qwest MLT
18 on that loop. An MLT from the Qwest switch also cannot be performed on loops
19 that are part of a facility-based CLEC's own network. Accordingly, if the
20 Commission were to order Qwest to provide the ability for CLECs to perform a
21 pre-order MLT, CLECs would be performing those tests only on Qwest switch-

¹⁹ The number of orders is based on the number of orders as reported in OP-3 for

1 based loops, UNE-P CLEC lines, and reseller CLEC lines; none of these carriers,
2 however, could perform an MLT on facilities-based CLEC loops or unbundled
3 loops provided to a CLEC.

4 Third, as Ms. Brohl describes, the MLT provides misleading loop length
5 information. Because the MLT measures resistance on the line, including the
6 end user's customers premises equipment (CPE), the MLT may overestimate
7 loop length by as much as 20 percent. In some instances, a loop that would
8 qualify for advanced services is not qualified when based on the MLT results.
9 Exhibit DP-LOOP-15 is a copy of an Exhibit I presented in a Utah technical
10 conference describing this situation.

11 Fourth, MLT is primarily a repair test. It is not meant to be, nor was it ever
12 designed to be used as a qualification tool for loops. There are only a limited
13 number of MLT test ports. To the extent that pre-order MLTs were being
14 performed, the ports may not be available for Qwest or CLECs to perform repair
15 tests. This could negatively impact Qwest's ability to quickly test, isolate and
16 repair facilities.

17 Fifth, as currently deployed in Qwest's network, the MLT functionality
18 requires the CLEC to be the "owner" of the loop. In other words, the CLEC must
19 be identified as the customer of record for that particular telephone number.

20 Finally, Covad discusses the need for MLT in relationship to testing the
21 quality of the loop. One of the key performance measures that provides insight

1 to loop quality is the OP-5, New Installation Quality measure. For 2-wire non-
2 loaded loops in Minnesota the OP-5 results provided above indicate that for the
3 past 4 months the CLECs have received excellent service. There simply is no
4 need for a pre-order MLT.

5 Both Covad and AT&T claim that other ILECs are providing this
6 functionality on a pre-order basis. These statements are misleading. AT&T
7 mentions no BOC that has created the functionality for CLECs to perform an MLT
8 on a pre-order basis themselves. It claims, however, that Verizon performs MLT
9 for CLECs. As described in the Verizon Massachusetts Order, Verizon only
10 performs MLTs on behalf of CLECs as part of its manual loop qualification
11 process if its electronic tools do not return loop make up information.²⁰ The order
12 does not state that Verizon performs MLTs as a routine replacement to its loop
13 qualification tools, which is what Covad and AT&T appear to be requesting.
14 Moreover, in the Verizon context, the Massachusetts decision makes plain that
15 only 10% of Verizon's loop plant is loaded into its equivalent RLDT. Thus, a vast
16 percentage of loops need a manual review to determine loop qualification.
17 Qwest, on the other hand, has loaded virtually every loop into its RLDT.

18 Qwest has also learned that Covad's allegation that Verizon is performing
19 pre-order MLT's is inaccurate. Qwest has spoken to a Verizon representative
20 who validated that, as described in the Verizon Massachusetts Order, the only
21 information returned to CLECs is the loop make-up information that would be part

does not include orders that missed the due date for CLEC reasons

1 of the electronic loop make-up response. Verizon does not provide CLECs with
2 all the MLT results. Qwest has attempted to obtain information from Covad
3 regarding the pre-order MLT trial that Covad alleges to be having with Verizon.
4 In response to IR 15 on this issue, even though it hails this alleged trial, Covad
5 informed Qwest that it did not have any documentation, such a contract or
6 technical documentation relating to the purported trial or the trial results. As
7 suggested by Covad, Qwest did contact Verizon to obtain information regarding
8 the alleged MLT pre-order trial. A call was placed to the Verizon Line Sharing
9 Project Manager and with the sketchy information provided in the Covad affidavit,
10 he was unable to identify a pre-order MLT trial with Covad. In fact, the only way
11 he could try and find out if a trial with Covad was actually in progress was if
12 Qwest provided additional information from Covad. Qwest has made several
13 attempts to obtain information regarding this alleged trial with Verizon. Covad
14 has not been able to provide any evidence that the trial occurred, and the
15 Verizon representative Qwest contacted was unaware of the activity. Qwest
16 finds itself wondering if this porported trial even took place?

17 Contrary to Ms. Camarota's allegations regarding Qwest's lack of testing
18 to ensure loop quality for line sharing,²¹ Qwest does have a data continuity test
19 process in place, as discussed by Ms. Stewart in her Rebuttal Affidavit.

²⁰ Verizon Massachusetts Order ¶ 58.

²¹ Camarota Affidavit at 7.

1 On page 13 of his Affidavit, Mr. Wilson confuses the loading of MLT
2 distance data into the Loop Qualification Database (addressed in Ms. Brohl's
3 Affidavit), with the bulk deload project undertaken by Qwest to remove bridged
4 taps and load coils in certain wire centers, discussed in this affidavit. The two
5 projects were distinct. The bulk deload by distribution area project is part of
6 Qwest's process under Section 273(e)(3) that provides for joint planning efforts
7 between Qwest and CLECs. During this project, Qwest did not perform MLT
8 tests. The loading of MLT distance into the Loop Qualification Database was a
9 completely separate issue that is further addressed by Ms. Brohl.

10 In summary, the MLT is not a pre-order tool; it is a maintenance and repair
11 tool. Each central office can only accommodate a limited number of MLT tests
12 simultaneously. If a CLEC is performing what they call a pre-order MLT, another
13 provider may be prevented from conducting the test for a repair situation, which
14 is primary purpose of a MLT. The existing OSS functionality for MLT involves a
15 validation that the CLEC that wants to access the customer's account is really
16 the customer of record. MLT is only applicable for Qwest switched services and
17 once the facility is disconnected from the switch, MLT capabilities are lost. An
18 unbundled loop is not a Qwest switched service; therefore, CLECs cannot use
19 Qwest MLT for testing unbundled loops. According to the FCC requirements,
20 Qwest provides CLECs with pre-order loop make-up information. As described
21 by Ms. Brohl the loop make-up data is more robust than Qwest's MLT results.
22 Covad claims to want pre-order MLT to "test" the facilities, yet it appears that

1 Covad issues orders without using the existing Qwest tools. In an analysis of
2 Covad held orders, Qwest found that the majority of the Covad held orders are
3 for loops that the loop qualification tool clearly identifies could not be filled. It
4 appears Covad is not using the current tools, yet they are demanding the
5 creation of a new tool that is, as presented by Ms. Brohl, not part of the industry
6 loop make-up standards.

7 The Multi-state Facilitator (and all state commissions participating in the
8 Multi-state proceeding), the Arizona, Colorado, Nebraska, Oregon, and
9 Washington Commissions all agree that Qwest is not required to create the
10 functionality for CLECs to perform MLTs on a pre-order basis.²² Furthermore,
11 there is no FCC 271 order of which I am aware that requires a BOC to create the
12 functionality for CLECs to perform pre-order MLTs as a requirement of 271 relief.
13 Thus, neither the FCC nor any state commissions to address this issue has
14 agreed with Covad and AT&T.

15 **f. Access to Loops Using IDLC**

16 In the FTTH interconnection agreement, section 9.2.2 2.1, Qwest makes a
17 legally binding agreement to unbundle facilities that are provisioned utilizing
18 integrated digital loop carrier systems when technically feasible to do so. Exhibit
19 JML-LOOP-12 of Ms. Liston's affidavit, displayed the engineering decision

²² Exhibit DP-LOOP-16 is a copy of the Multi-state Facilitator's report relating to Checklist Item 4, Exhibit DP-LOOP-17 is a copy of the Colorado Commission's order relating to Checklist Item 4. Exhibit DP-LOOP-18 is a copy of the Washington Commission's order relating to Checklist Item 2. The only two state commissions to

1 process for unbundling of IDLC. Page 2 of that Exhibit addressed the installation
2 intervals, which are in alignment with the other loop intervals, for the various
3 options as requested by Mr. Burns.²³ Qwest does not charge for the unbundling
4 of IDLC. During the course of the unbundled loop workshops in other
5 jurisdictions, Qwest has agreed to modify the SGAT language to accommodate
6 CLEC requests for a binding agreement regarding the provisioning of loops
7 provisioned by IDLC technology. Section 9.2.2.2.1, of the FTTH Agreement
8 reflects the consensus language:

9 9.2.2.2.1 If Qwest uses Integrated Digital Loop Carrier
10 (IDLC) systems to provide the Local Loop, Qwest will first
11 attempt, to the extent possible, to make alternate
12 arrangements such as Line and Station Transfers (LST), to
13 permit CLEC to obtain a contiguous copper Unbundled Loop.
14 If a LST is not available, Qwest may also seek alternatives
15 such as Integrated Network Access (INA), hair pinning, or
16 placement of a Central Office terminal, to permit CLEC to
17 obtain an Unbundled Loop. If no such facilities are available,
18 Qwest will make every feasible effort to unbundle the IDLC
19 in order to provide the Unbundled Loop for CLEC.
20

21 Qwest's internal procedures support this position for all CLECs. Mr. Burns
22 is correct that in Minnesota, approximately 13% of the total number of lines are
23 served by some form of Digital Loop Carrier (DLC) or Integrated DLC (IDLC). As
24 a minor side note, according to Mr. Burns' Exhibit 2 the total percentage of DLC
25 in the St. Cloud exchange is 24% not 31% as presented in his testimony on page
26 13. Although Mr. Burns correctly calculated the total percent of facilities

originally order pre-order MLTs (Utah and New Mexico), both of which reversed course
and eventually agreed with Qwest.

²³ Burns Affidavit at 20.

1 provisioned over some form of DLC, what he does not clearly articulate is that
2 the presence of DLC does not impact Qwest's ability to unbundle the facility. In
3 Minnesota, only 7% of the facilities utilize IDLC technology. The mere presence
4 of IDLC does not mean Qwest cannot unbundle the facilities. Rather, it means
5 that Qwest must take some additional steps to unbundle the facilities. Mr. Burns
6 speculates that ISDN loop requests were "rejected" due to the presence of IDLC.
7 However, he presents no real facts or data. Based on Qwest's data out of the
8 Brainerd central office, there are a total of 122 ISDN circuits working today. Of
9 those, 26 circuits, or 21%, are unbundled ISDN capable loops provided to
10 CLECs. Throughout Minnesota, there are a total of 29,227 ISDN circuits
11 provisioned between CLEC Wholesale and Qwest retail customers with
12 approximately 13.7% of those working on either Integrated or Universal DLC. To
13 ensure that unbundled loops are provisioned when IDLC technology is present in
14 the network, Qwest created a dedicated team within the Quality Coordination and
15 Control Center, QCCC, to manage coordinated installation involving these
16 facilities. For first quarter 2002, 97.5% of the coordinated installations that
17 involved IDLC were performed on time. Because he presents no data, Qwest
18 has no further means of responding to Mr. Burns' allegations, except to point out
19 that, as shown above, Qwest is provisioning ISDN capable loops when either
20 DLC or IDLC technology is involved.

21 On page 29 of his affidavit, Mr. Wilson on behalf of AT&T also addresses
22 IDLC. Notably, AT&T presents no evidence of "problems" AT&T has allegedly

1 experienced with loops provisioned over IDLC. Nevertheless, Mr. Wilson states:
2 “To try and address this issue [of IDLC], Qwest proposed to make alternative
3 arrangements that are set forth in Section 9.2.2.2.1 of the FTTH Agreement” and
4 suggests that this commitment, which AT&T has agreed to in every other section
5 271 proceeding, may not be sufficient. In the recent South Dakota 271
6 proceeding, however, Mr. Wilson stated:

7 Specifically, during the course of the workshops, Qwest
8 proposed new SGAT language to § 9.2.2.2.1 and introduced
9 new processes and several exhibits that outline these new
10 processes for provisioning loops that use IDLC technology.
11 In addition, Qwest has altered its position that hair pinning
12 would be limited to 3 loops per central office and agreed to
13 provision more than the three loops per central office on an
14 interim basis. Qwest also stated that a decision will be made
15 to place a Central Office terminal when the number of hair
16 pinned loops exceeds three loops.

17
18 With these commitments and Qwest’s commitment to revise
19 its technical publications to be consistent with these
20 commitments, AT&T agreed to close this issue.²⁴
21

22 The language contained in the South Dakota SGAT and the FTTH
23 Agreement is identical. In South Dakota, AT&T wanted it understood that Qwest
24 is obligated to provision loops served by IDLC whenever technically feasible.
25 Qwest’s interconnection agreement with FTTH contains this obligation, and
26 Qwest’s technical publications, product descriptions and agreement language
27 mandate that Qwest adhere to provisioning of loops which are served via IDLC
28 when technically feasible. The information presented above demonstrates that

²⁴ Wilson’s South Dakota Affidavit filed March 18, 2002 at 42. (Footnotes omitted).

1 Qwest meets this commitment. Based on AT&T's assertion in South Dakota and
2 its agreement in other workshops to accept this commitment, Qwest believes
3 AT&T's issue is closed.²⁵

4 The final issue is associated with CLEC access to Qwest maps. Mr.
5 Wilson on behalf of AT&T claims that to determine if it can provide service in
6 areas with IDLC, a CLEC needs access to Qwest's CIMAGE and OSP-FM
7 records.²⁶ By way of background and to address an issue raised by Mr. Wilson,
8 Qwest's engineering records for loop network elements reside in two systems:
9 CIMAGE and OSP-FM. Both CIMAGE and OSP-FM provide information
10 graphically depicting Outside Plant information such as cable and terminal types,
11 size and locations as well as underground structure information. Both OSP-FM
12 and CIMAGE documents are available to CLECs for viewing. When CLECs
13 review Qwest's facility maps, they are being given access to CIMAGE and/or
14 OSP-FM. The facility information stored in these systems, such as location, type,
15 and terminals is passed to inventory and assignment systems such as LFACS
16 and then to the Loop Qualification database, which provides CLECs with loop
17 make-up information. Thus, the information AT&T seeks is already brought
18 forward in the loop qualification tools Qwest provides.

²⁵ Furthermore, Qwest provides a web-based Wire Center Raw Loop Data tool that enables CLECs to obtain information on the presence of IDLC in an entire wire center. See the affidavit of Barbara Brohl. Thus, Qwest provides CLECs the tools to identify in advance areas served by IDLC so that they can determine if or how they wish to serve areas in which IDLC is prevalent.

²⁶ Wilson Affidavit at 16.

1 Regardless, CLECs have the ability today to view CIMAGE and OSP-FM
2 documentation. Qwest's PCAT sets forth the procedures for CLECs to view
3 these documents. Specifically, the PCAT for Poles, Ducts, Conduits, and Rights-
4 of-Way contains the OSP Viewing Guidelines. This section of the PCAT can be
5 accessed at the following web address:
6 <http://www.qwest.com/wholesale/pcat/poleductrow.html>. Thus, CLECs have
7 access to these records today.

8 Mr. Burns for the CLEC coalition also raises issues regarding access to
9 exchange maps that display IDLC. First, Mr. Burns states: "it [Qwest] continues
10 to impede CLECs by refusing to provide access to wire center or exchange-level
11 maps which depict the routing of loop facilities."²⁷ Later in his testimony, Mr.
12 Burns states: "the CLEC Desktop Media, Inc., met with Qwest to view facility
13 records for the Rochester exchange."²⁸ In fact, Qwest provided maps to Mr.
14 Burns on June 22, 2001, while he was representing U S LINK. This is not a new
15 issue. Ms. Weidenbach responded to this claim in her rebuttal testimony in PUC
16 Docket No. P-421/CI-01-1375.²⁹ In fact, during one of her many visits to
17 Minnesota, Ms. Weidenbach provided maps not only to Mr. Burns, but also to Dr.
18 Faggerlund representing the Department of Commerce. Ms. Weidenbach's
19 testimony also discussed the number of tools available to the CLEC today to gain

²⁷ Burns Affidavit at 12.

²⁸ Burns Affidavit at 14.

1 insight into the wire center and DA specific facility information. First, as
2 discussed above, CLECs do have the ability to review the Qwest plant maps,
3 whether they are paper copies, CIMAGE, or OSP-FM electronic files, at Qwest
4 facilities. Second, the CLECs have real time access to the plant make-up for an
5 entire wire center via the Wire Center Raw Loop Data Tool. CLECs have the
6 ability to download all of the loop make-up for an entire wire center. The data
7 can be downloaded into a data application or Excel spreadsheet so that the
8 CLEC can view and sort the information according to its specific needs. This
9 issue is further addressed in the Affidavit of Ms. Brohl. Finally, CLECs can obtain
10 a copy of the wire center boundary map, which includes DA boundary information
11 down to the street level. The PCATs for Remote Collocation and Field
12 Connection Point (FCP) contain a hot link to the ordering form for the maps. This
13 hot link is contained in the pre-ordering section of these documents found at
14 <http://www.qwest.com/wholesale/pcat/remotecollocation.html> and
15 <http://www.qwest.com/wholesale/pcat/fcp.html>, respectively. Qwest will “burn” a
16 copy of these maps onto a disk and send it to the CLEC.

17 **g. Redesignation of Interoffice Facilities**

18 This issue focuses on the redesignation of interoffice facilities (IOF) when
19 Qwest’s exchange facilities in that area are at exhaust. By way of background,
20 the IOF fiber is normally at the center of the cable sheath and is continuously

²⁹ Exhibit DP-LOOP-19 is a copy of Ms. Weidenbach Rebuttal testimony. This issue is discussed at page 2.

1 spliced in an inside concealed compartment or "waffle case" to the next central
2 office or exchange. Therefore, it is not available for redesignation.³⁰ Meanwhile,
3 exchange fiber is spliced on the outside of the waffle case, drops off, tapers
4 down and is peeled off in manholes between central offices and is not part of the
5 contiguous fibers that go from one central office to another.³¹

6 Although there is no 271 obligation to redesignate IOF, and most state
7 commissions have refused to impose this requirement, Qwest is willing to make
8 this concession in Minnesota and redesignate IOF when exchange facilities are
9 at exhaust. Conversely, if necessary Qwest will also investigate the
10 redesignation of exchange facilities to IOF, when the IOF is at exhaust. With this
11 concession, Qwest believes that this issue should be considered closed. Qwest
12 is willing to add the following Washington IOF consensus language into the
13 Minnesota SGAT:

14 9.2.14 Qwest will redesignate interoffice facilities (IOF) for CLEC
15 where available, with the exception of interoffice facilities
16 Qwest maintains to ensure sufficient reserve capacity as
17 defined in Section 9.7.2.5. Separate and apart from the
18 foregoing, in the event Qwest removes interoffice service, an
19 entire copper IOF cable that is capable of supporting
20 Telecommunications Services, Qwest will make that facility
21 available as Loop facilities to fill any order currently in the
22 held order queue on a first come, first serve basis. Should
23 additional facilities be available after all held orders are filled,
24 Qwest will make the additional facilities available to fill new
25 orders on a first come, first served basis.
26

³⁰ Washington July 11, 2001 Workshop 4 Tr. at 4407, 4413.

³¹ See May 25, 2001 Colorado Tr. at 110-14 (discussing identical issue in the Colorado loop workshops).

1 **h. Firm Order Conformation (FOC)**

2 Ms. Camarota raises several concerns regarding the 72-hour FOC. First,
3 to assist this Commission, I would like to present the facts regarding FOCs and
4 unbundled loops.

5 1. The performance metric, PO-5, measures the percent of FOCs
6 delivered on time. During the ROC TAG meetings, Qwest and CLECs
7 agreed that the benchmark for unbundled loops would be 90% of the
8 FOCs delivered within 24 hours.

9 2. As Exhibit NC-2 of Ms. Camarota's testimony indicates, Qwest entered
10 into an agreement with Covad to deliver FOCs for analog loops in 48
11 hours. For xDSL capable, ISDN capable and DS-1 capable loops, the
12 FOC interval was 72 hours. This agreement³² with Covad was
13 negotiated as a part of the agreements established between Qwest
14 and the CLECs during the U S WEST / Qwest merger.

15 3. All CLECs providing xDSL and DS-1 capable loops were able to "opt"
16 into a 72-hour FOC agreement with Qwest. North Point, New Edge,
17 Rhythms and Sprints all added a 72-hour FOC commitment to their
18 interconnection agreements for these loop types.³³ The 24-hour FOC
19 remained in place for all other loop types. This was a more stringent

³² Exhibit DP-LOOP-20 is a copy of the Qwest – Covad merger agreement.

³³ Qwest witness Ms. Kathleen Lucero describes this in greater detail in her
Minnesota Docket No. P-421/C-02-197 testimony filed on April 22, 2002, pages 5 and 6.

1 requirement than the Covad 48-hour requirement, so Qwest continued
2 to provide Covad analog FOCs in 24 hours.

3 4. In October 2000, Qwest implemented the 72-hour FOC process for
4 Covad and the other 4 CLECs. Ms. Camarota, Exhibit NC-4, provides
5 an excerpt of Mr. Ken Beck's May 1, 2002 testimony from Minnesota
6 Docket No. P-421/C-02-197. On page 150, line 15 through line 17, Mr.
7 Beck refers to this implementation as a trial. In actuality, it was the
8 implementation of the merger agreements between Qwest and the
9 CLECs. All CLECs purchasing xDSL and DS-1 capable loops had the
10 option to add the 72-hour FOC to their interconnection agreements,
11 and in October 2000 over 86% of all the xDSL loops in Minnesota were
12 receiving the 72-hour xDSL FOC.³⁴

13 5. During the Colorado 271 Emerging Services workshop in November
14 2000, the FOC issue surfaced with CLECs requesting a more
15 "meaningful" FOC. CLECs complained that Qwest often sent out an
16 initial FOC followed by a meaningful FOC.³⁵ With a few months of
17 experience implementing the 72-hour FOC for the DLECs discussed
18 above, Qwest proposed a statewide trial of a 72-hour xDSL FOC in
19 Colorado. The statewide trail included a mechanized issuance of the

³⁴ Id. at 6.

³⁵ CO 11/2/00 Tr. at 163 (Cutcher) ("Our expectation is, once we get an FOC, that is when the loop will be delivered").

1 FOC and involved all CLECs providing xDSL service in Colorado for all
2 xDSL loop orders issued during the 2 months.

3 6. After much workshop discussion, the CLECs participating in the
4 Colorado 271 proceeding agreed to participate in a Colorado xDSL
5 FOC trial. Qwest also provided notice to all CLECs in Colorado
6 ordering xDSL loops with an opportunity to opt out of the trial. No
7 CLEC opted out of the trial.

8 7. The Colorado xDSL Trial occurred in March and April of 2001 and
9 remained as part of the provisioning process in Colorado. In addition
10 to utilizing a 72-hour FOC Qwest agreed to perform a pre-survey of the
11 facilities if necessary.³⁶ The pre-survey involves dispatching a
12 technician prior to the due date but after the FOC. To avoid the
13 possibility of double dispatching, Qwest asked if CLECs would be
14 willing to accept the loop early if the pre-survey resulted in the
15 technician being able to provision the requested service. CLECs
16 agreed that if Qwest called, and the CLEC approved the early delivery
17 of the loop, then the order could be completed early. The trial
18 demonstrated that in April Qwest was able to deliver 97.7% of the
19 xDSL FOCs within 72 hours, that the requested due date was met
20 97.5% of the time, and the installation interval was, on average, 11.6

³⁶ Exhibit DP-LOOP-22 is an excerpt from the February 21, 2001 Colorado transcript where the differences between the Covad pre-survey and the trial pre-survey was discussed.

1 days for loops requiring conditioning and 5 days for all other xDSL
2 loops. Exhibit DP--LOOP-2 is a copy of the results of the Colorado
3 trial.

4 8. As a result of the trial, the Colorado workshop participants agreed to
5 implement the 72 FOC for all xDSL and DS-1 capable loops. Qwest
6 and CLECs reached the same agreement in all states. Qwest agreed
7 to bring this issue before the ROC TAG and to officially change the
8 PO-5 performance measures for these loop types. The ROC TAG
9 approved the change; Qwest implemented the necessary system
10 changes in March 2002, at which time the 72 hour FOC for all xDSL
11 loops and DS-1 capable loops was implemented for all CLECs in all
12 states.

13
14 Ms. Camarota alleges that Qwest “failed, or worse, refused, to live up to that
15 commitment”,³⁷ namely the 72-hour FOC in the Covad agreement. Ms.
16 Camarota’s interpretation of Mr. Beck’s testimony is wrong. As mentioned
17 above, the October 2000 implementation of the 72-hour FOC was the
18 implementation of all Merger Agreements, including Covad’s agreement.
19 Confidential Exhibit DP-LOOP-C3 is a copy of Qwest’s internal methods and
20 procedures that support the 72-hour FOC. Covad is the only CLEC whose
21 Merger Agreement includes a pre-survey prior to the FOC.

1 Finally, this agreement with Covad was anything but a “secret deal.”
2 Confidential Exhibit DP-LOOP-3C clearly identifies the different pre-survey
3 process for Covad. In December 2000 and February 2001 Colorado workshops,
4 Covad and Qwest openly discussed on the record before all parties, the pre-
5 survey provision in the Covad agreement. Qwest informed the parties that it
6 wanted to issue an FOC before the pre-survey to see whether it could meet
7 CLEC expectations without the need for performing a double dispatch. The
8 parties agreed to utilize this process in the Colorado xDSL trial. Both the Covad
9 Merger agreement and existing 72-hour process only apply to unbundled loops, it
10 does not apply to Line Sharing. Ms. Notarianni will address Ms. Camarota’s
11 concern regarding multiple FOCs. As previously mentioned, the performance
12 results clearly demonstrate that Qwest delivers quality loops to Covad in a timely
13 manner. As the PO-15 data in Mike Williams’ testimony shows, a vast
14 percentage of the time when the due date changes for xDSL FOC loops, the due
15 date stays the same or is moved forward. This conforms with the testimony
16 above wherein CLECs agreed that they were prepared to accept loops early in
17 order to “avoid the possibility of double dispatching.” The net effect is to get
18 CLECs these loops early. The 2-wire non-loaded loop represents approximately
19 60% of the xDSL loops in service in Minnesota. The average provisioning
20 interval (OP4) for the 2-wire non-loaded loops in zone 1, over the last four
21 months – bears this out. During this time, the average interval ranges from 3.96

1 days to 4.12 days, less than the shortest interval of 5 days. Ms. Camarota's
2 concerns regarding the FOC, is nothing but a smoke screen and should be
3 dismissed.

4
5 **i. Loop Quality**

6 Covad raised concerns regarding the quality of loops delivered by Qwest.
7 The concerns raised by Ms. Camarota can be grouped into three separate
8 issues. However, not all of them really relate to loop quality. Additionally, AT&T
9 raises a question regarding the coordination of unbundled loop installations and
10 local number portability (LNP).

- 11 • Physical Verification of Loops – Ms. Camarota alleges that as a result
12 of the Colorado xDSL that Qwest introduced “an eleven step paper
13 process”.³⁸ However, Ms. Camarota misrepresents the events
14 associated with the Colorado xDSL Trial that was conducted during
15 2001. It is true that during the trial, Qwest explained the 11-step
16 provisioning process associated with assigning facilities to match the
17 CLEC's loop request. Contrary to her testimony, however, this was not
18 a new process associated with the trial. The 11-step assignment
19 process has always been a part of Qwest's retail and wholesale
20 provisioning process. This process, which is the same for retail and
21 wholesale, includes a review process to find compatible facilities, such

³⁸ Id. at 12.

1 as a line and station transfer or the recovery of defective pairs. Ms.
2 Camarota is correct, however, that the trial did not include a physical
3 facility verification prior to the FOC. However with the trial, Qwest did
4 implement a rapid recovery and a pre-survey activity that occurred
5 after the issuance of an FOC. As discussed during the trial planning
6 phase, a pre-survey prior to the FOC resulted in a double dispatch.
7 The approach in the trial, and ultimately in Qwest's current policy,
8 establishes a field verification prior to the due date so that if problems
9 are identified, they can be fixed. CLECs, through the workshop
10 process, also agreed that if no problems were identified, Qwest could
11 turn up the loop early with the CLEC's permission. Focusing on the
12 primary loop type Covad purchases, the 2-wire non-loaded loop, the
13 percent of due dates met, OP-3, in Minnesota for March through June
14 2002, has been over 99% in Zone 1. The Zone 2 results have
15 consistently exceeded 95% with 3 months being at 100%. The
16 standard interval for a 2-wire non-loaded loop is 5 days and the
17 benchmark for the installation interval, OP-4, is 6 days. For the past
18 four months in Zone 1 and Zone 2 the installation interval has been
19 under 5 days, except for one instance in Zone 2. This data would
20 indicate that Qwest is making the loops available on the pre-survey
21 prior to the due date.

- 1 • Contrary to Ms. Camarota's speculation, Qwest does perform a
2 physical pre-survey for new loops. This pre-survey occurs after the
3 issuance of the FOC. The benefits of this pre-survey process were
4 documented in Trade Secret Exhibit 4.1 in my rebuttal testimony
5 submitted on April 18, 2002 in PUC Docket No. P-421/CI-01-1375,
6 which is attached as Exhibit DP-LOOP-C4. That exhibit demonstrates
7 that Qwest in most situations was able to turn up Covad's loops early,
8 and Covad accepted those early orders.
9
10 • Cooperative Testing – The primary purpose of a cooperative test is to
11 perform end to end testing with the CLEC. This end-to-end testing
12 includes not only the Qwest portion of the network, but also those
13 network components belonging to the CLEC. Because an unbundled
14 loop is connected through the CLEC's switch, Qwest can not perform
15 an end-to-end test alone; Qwest only has the ability to test the loop
16 portion of the circuit. Qwest's provisioning options give CLECs two
17 choices in which to take advantage of cooperative testing. The first is
18 basic installation with cooperative testing, and the second is
19 coordinated installation with cooperative testing. Basic installation with
20 cooperative testing can be ordered when the "lift and lay" procedure
21 does not require coordination, but the CLEC wants to test the entire
22 circuit end-to-end. In many instances today, CLECs are relying on

1 self-provisioning of customer premises equipment (“CPE”) by the end
2 user and do not send a technician to the end user’s premises.
3 Cooperative testing allows the CLEC the opportunity to use the Qwest
4 technician at the end user’s premises to conduct a cooperative test
5 thereby validating that the entire circuit, including CLEC network
6 components, has continuity to that location.

7
8 Coordinated installation with cooperative testing enables the CLEC to
9 specify a specific time that it wants the lift and lay procedure to occur.
10 Once again, the CLEC has the ability to test cooperatively with Qwest.
11 In fact, Qwest performs cooperative testing at the direction and
12 discretion of the CLEC. With this cooperative testing, the CLEC is able
13 to validate continuity of the “entire” circuit – from its central office to the
14 end user’s premises. The cost of cooperative testing is not one to be
15 decided in this docket, but rather the Minnesota cost docket. To the
16 extent that Qwest incurs costs to perform this test, Qwest believes it
17 should be allowed to recover those costs.

18 Ms. Camarota claims that Covad has concerns regarding the quality of the
19 loops provided by Qwest, but never offers or provides any evidence that a
20 problem actually exists. None of the above issues address the quality of the
21 loop.

1 In PUC Docket No. P-421/CI-01-1375, the Cost Docket, I presented
2 information regarding cooperative testing.³⁹ First, the percent of Coordinated
3 Installations performed on Time measure, OP-13, evaluates whether Qwest
4 performed a coordinated installation on time and within a specified time limit.
5 The agreed upon benchmark for this measure is 95%. AT&T, Covad, and other
6 CLECs participating in the ROC process agreed to this benchmark with the
7 understanding that if Qwest met the 95% benchmark, CLECs would be given a
8 meaningful opportunity to compete. Qwest continues to exceed that benchmark
9 in Minnesota.

10 It is important to note that Covad uses the coordinated installation option
11 for all of its loop installations. If Qwest's loops were consistently of a poor
12 quality, and it was only detected when the service was "turned-up," one would
13 expect to see a large percent of OP-13 misses. Confidential Exhibit DP-LOOP-
14 C5 displays the Covad specific OP-13 results for Minnesota and clearly indicates
15 that Covad's installations were completed on time. The following chart displays
16 the outstanding OP-13 results for both analog and all other loop types for the
17 state of Minnesota.

Coordinated Installations On Time OP-13		
Month	Analog	All Other
March	99.19%	100%
April	99.18%	95.04%
May	99.86%	98.08%

³⁹ Confidential Exhibit DP-LOOP-C3 is a copy of Exhibit DP-4.1 from my Rebuttal testimony filed on April 18, 2002.

June	98.87%	97.64%
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Clearly, Qwest is providing high-quality loops in a timely fashion.

The next measure of quality is the New Service Installation Quality PID, OP-5. OP-5 measures the number of new loops that had a trouble ticket issued within the first 30 days of service. Confidential Exhibit DP-LOOP-C6 displays the Covad Minnesota results for both the 2-wire non-loaded loop and the ISDN capable loop. Again, as this exhibit demonstrates, Qwest is delivering quality loops to Covad. The following chart displays the Minnesota results for the analog and 2-wire non-loaded loop, which combined represent 96% of the Minnesota loops in service

Installation Quality OP-5 Analog and 2-Wire Non-Loaded				
Month	Analog		2 Wire Non-Loaded	
	CLEC	Qwest Retail	CLEC	Qwest Retail
March	97.99%	60.36%	98.7%	95.66%
April	97.49%	59.54%	97.25%	97.57%
May	97.79%	58.27%	98.41%	97.45%
June	96.90%	56.12%	98.40%	96.90%

Covad has not produced any evidence to demonstrate its allegations regarding the quality of loops in Minnesota. In contrast, the results noted above clearly demonstrate that Qwest continues to provision over 95% of these loops without trouble. The Qwest audited performance data demonstrates that Qwest is providing quality loops to all CLECs, including Covad, in Minnesota.

1 In response to Mr. Wilson's testimony regarding coordination of unbundled
2 loops with number portability, Qwest has processes in place to coordinate the
3 activities associated with unbundled loop and Local Number Portability (LNP)
4 conversions. The Qwest performance for the conversion of existing customers is
5 reflected in the "Hot Cut", OP-7 performance measure. OP-7 measures the time
6 it takes Qwest to actually transfer a customer from Qwest to the CLEC. During
7 the time it takes Qwest to "lift" the facilities off of the Qwest central office
8 equipment, and then "lay" the facilities on the CLEC equipment, the end user
9 customer is out of service. In Minnesota, for analog loops, the average "lift and
10 lay" time has averaged between 3 and 4 minutes, which exceeds the "hot cut"
11 performance of some ILECs that have received FCC 271 approval⁴⁰.
12 Additionally, Qwest continues to exceed the 95% benchmark set for loop with
13 number portability, or OP-8(b). Mr. Williams will discuss these results in greater
14 detail in his reply testimony.

Month	Loop with Number Portability	
	Benchmark	CLEC Results
March	95%	100%
April	95%	100%
May	95%	96.12%
June	95%	99.52%

15
16

⁴⁰ Bell Atlantic / New York. FCC 99-404 at pages 152 – 153 footnote 925.

1 **j. Repeat Trouble Rate**

2 Mr. Grady representing Covad raises concerns associated with the
3 Repeat Trouble Report's for unbundled loops and Line Sharing. I will address
4 the unbundled loop issue, and Ms. Stewart, in her affidavit, will address the
5 issues associated with Line Sharing. Qwest has worked very closely with Covad
6 to address concerns around performance. During 2001, the Qwest Account
7 Manager assigned to the Covad account conducted weekly meetings with Covad
8 to work through Covad's concerns and problems as they surfaced. The weekly
9 meetings, which started in 1999 primarily focused on unbundled loop issues and
10 then shifted to Line Sharing issues as Covad's emphasis shifted to line sharing.
11 These meetings lasted anywhere from 1 to 2 hours. During these sessions
12 Qwest worked diligently to improve its processes and the service it delivered to
13 Covad. The parties created action item lists and tracked the status during
14 subsequent weekly meetings. By the end of 2001, the meetings became shorter
15 in duration. Covad praised Qwest on the progress it was making and indicated
16 that their issues were diminishing. In fact, Minda Cutcher – VP of ILEC relations
17 who represented Covad during many of these meeting, suggested that because
18 of the progress that was being made, the need to continue with the weekly
19 meeting was no longer necessary. The meeting schedule changed to every
20 other week in 2002. Not only are the current meetings less frequent, but the
21 duration of each meeting has also been reduced. In many situations, the
22 meetings only last about 30 minutes.

1 Qwest and Covad have discussed Covad's claims regarding repeat
2 troubles. However, investigating the claims has not been easy. When Qwest
3 asked for specific order examples, Covad provided the Covad Circuit ID and the
4 Covad trouble tracking number, not the related Qwest data. For instance, when
5 a CLEC opens a trouble ticket, Qwest assigns a trouble ticket number and the
6 repair information is stored either by the telephone number or circuit id. For
7 unbundled loops, the Circuit ID is used because Qwest does not have a
8 telephone number assigned to the loop. Covad would not supply Qwest with the
9 Qwest circuit id for unbundled loops or the telephone number for Line Sharing
10 investigations. Therefore, Qwest could not investigate Covad's claims using the
11 Covad information, and Covad would not assist Qwest, claiming that Qwest
12 should be able to "find" the information from its own records. This pattern has
13 been repeated numerous times during this "joint" undertaking. In fact, Mr.
14 Grady's confidential Exhibit JG-4, is typical of the pattern. The Exhibit contains
15 Covad's Circuit ID; therefore, Qwest could not access its records to verify or deny
16 Mr. Grady's claims. Additionally, Confidential Exhibit JG-4 does not indicate if
17 the circuits are all in Minnesota, if it is unbundled loops, or Line Sharing, or when
18 the problem occurred. Qwest is not alone in its frustration to resolve Covad's
19 complaints. During the data reconciliation process in Arizona, Liberty Consulting
20 encountered the same problem. The Liberty report stated: "... Covad could not

1 produce data with a common field, which would be necessary to permit
2 reconciliation of the M&R measures.”⁴¹

3 Confidential Exhibit JG-1 of Mr. Grady’s affidavit is a copy of the Covad
4 specific performance results, which displays one year of data. Additionally, Mr.
5 Grady’s high-level summary of the data includes references to data points that
6 are 9 months old. The FCC in reviewing performance for 271 applications relies
7 on 4 months of data. Covad, at the end of December 2001, indicated that
8 Qwest’s performance had improved, and many of Covad’s issues and concerns
9 had been resolved. Looking at the relevant 4 months of 2002 data displayed in
10 confidential Exhibit JG-1, the picture is far different from the one painted by Mr.
11 Grady. During all 4 months of 2002, there was only 1 repeat trouble report for 2-
12 wire non-loaded loops. Contrary to Mr. Grady’s claims, Qwest’s performance
13 has significantly improved and is reflected in the results.

14 Confidential Exhibit JG-1 of Mr. Grady’s testimony displays Qwest’s
15 Repeat Trouble Rate performance (MR-7). The second issue raised by Mr.
16 Grady focuses on the allegation that Qwest incorrectly bills for its services when
17 the status of the work was No Trouble Found, NTF. Qwest reports Repair Report
18 information in two different formats. MR-7 reflects all trouble tickets and MR-7*
19 removes the trouble tickets associated with NTF. In Minnesota for March

⁴¹ Liberty Report for Arizona, Dec. 3, 2001 at page 16.

1 through May 2002,⁴² for the 2-wire non-loaded loop, the number of trouble tickets
2 reviewed for MR-7* is only one less than it was for MR-7, thus indicating that one
3 of the repair ticket in 3 months was coded as NTF. For ISDN loops, the same
4 situation occurs the MR-7* data; there is only 1 less ticket over the three-month
5 period. In other words over a 3-month period, for the 2-wire non-loaded and
6 ISDN Capable loops there were only 2 reported instances, of NTF. Confidential
7 Exhibit DP-LOOP-C7 is a copy of the Covad MR-7 and MR-7* performance
8 results for the 2-wire non-loaded and ISDN loops.

9 Finally, Mr. Grady discusses billing issues associated with NTF. Based on
10 the information Mr. Grady provided in Confidential Exhibit JG-3a, Qwest was able
11 to review the repair history for the four circuits. Confidential Exhibit DP-LOOP-
12 C8 is a modified version of Exhibit JG-3a. The modification is the addition of a
13 new column of information displaying Qwest's findings. In two of the four cases
14 presented by Covad, billing for trouble isolation was warranted.

- 15 • **Circuit 1 – Covad Trouble Ticket #399327** - Qwest billed Covad because
16 the repair ticket was closed as No Trouble Found at the end user's
17 demarcation point. Further investigation into the incident reveals that the
18 Covad circuit actually came clear while testing with both companies'
19 employees. If the ticket had been closed in that manner, billing for the

⁴² The performance measures associated with a *, such as MR-7* are reported one month in arrears. Therefore, June MR-7* results are not yet available.

original dispatch would not have occurred. Qwest's records do not indicate that Covad has raised a billing question regarding this trouble ticket.

- **Circuit 2 – Covad Trouble Ticket #406506** - Qwest billed Covad because Qwest had already dispatched a technician to the end user's premises by the time Covad called to cancel the trouble ticket. Since Qwest had dispatched a technician and NTF was reported, Covad was billed for the dispatch.

- **Circuit 3 – Covad Trouble Ticket #385581** - Qwest billed Covad because the initial trouble report resulted in Qwest finding trouble on Covad's side of the demarcation point at this apartment complex. In Exhibit JG-3a, Covad is contending that Qwest pulled the fuse protector at the IT feed. However, Qwest shows no documentation indicating that the fuse was pulled. Of the 8,000 repair tickets I was dispatched on, I never removed and left the fuses out of the loop due to National Electrical Code Standards. The technician should have notified the CLEC, which he did, stating that the trouble had been isolated into the end user's premises, and then allow the CLEC to resolve the issue with that end user. The documentation Covad presents does not support its claim that Qwest pulled the protector fuse and left it unplugged. The "usual" test is to pulled the jumper or bridge clips off of the block and test the inside wiring without the presence of dial tone.

- **Circuit 4 – Covad Trouble Ticket #443131** - Qwest billed Covad because at the time, the trouble appeared to be in the CLEC's central office card. Upon isolating to that point, the ticket was cleared accordingly, and the CLEC was

1 billed. The following day, a new trouble report was issued, and Qwest found
2 trouble on the distribution or F2 facilities. Qwest assigned a new F2 and
3 cleared the trouble back to the CLEC. Once again, during the time when I
4 was working as an I&M Technician, very seldom was the same technician
5 dispatched back onto a case of trouble they were on the day before just due
6 to routing and load considerations. A technician finding facilities problems on
7 a repeat dispatch will have notes to go from on what occurred the day before,
8 but may not associate the two events.

9 Throughout his affidavit Mr. Grady alleges that Covad is experiencing a
10 high volume of repair problems. Interestingly, Mr. Grady does not provide the
11 Covad confidential performance data that displays the overall trouble rate by loop
12 type. PID MR-8, the Trouble Rate, indicates the percentage of loops that
13 experienced trouble in that month. This performance result compares the
14 number of trouble tickets against the number of loops in service by loop type.
15 Confidential Exhibit DP-LOOP-C9 is a copy of the Covad MR-8 results for 2-wire
16 non-loaded loops and ISDN loops. For March through June 2002, the Minnesota
17 state results indicate that, the trouble rate for 2-wire non-loaded loops was at
18 parity with retail, and the results ranged from 0.37% to 0.64%. For the ISDN
19 loops it inched over the 1% mark in 2 months. In the other two months it was
20 under 1%. The MR-8 data clearly demonstrates that Covad has exaggerated the
21 size of the problem. The MR-8 measure for ISDN has been out of parity for
22 CLECs, but this is largely the result of the limited number of events on a small

1 sample size. The FCC has recognized that performance results may be skewed
2 by low volumes and has taken those low volumes into account when evaluating
3 performance results.

4 Covad's concerns regarding repair should be dismissed. The current
5 2002 performance results do not support the Covad allegations.

6
7 **k. Spectrum Management Issues**

8 AT&T raises three issues regarding Spectrum Management: (1) the uses
9 of the industry standard Power Spectrum Density (PSD) NC/NCI codes, (2) the
10 placement of T1s and (3) remote deployment of Qwest's DSL facilities. It is
11 interesting to note that AT&T raised concerns with these three issues, however,
12 less than 2 months ago, in South Dakota, AT&T did not raise any Spectrum
13 Management concerns.

14
15 Spectrum NC/NCI Codes –

16 Both AT&T and WCom raise concerns regarding the use of the industry
17 standard spectrum NC/NCI codes. Mr. Price accurately portrays the September
18 14, 2001 ex-parte the Network Reliability and Interoperability Council (NRIC)
19 submitted to the FCC.⁴³ As presented by Mr. Price, "Qwest is on record as
20 having 'accepted' this recommendation to the FCC."⁴⁴ At this point in time, the
21 FCC has not accepted the "recommendation" of NRIC to eliminate the use of the

⁴³ Price Affidavit at 41.

1 spectrum NC/NCI codes, nor has the FCC rescinded rule 51.231 (a)(3), (b) and
2 (c). Specifically, these FCC rules state: “A requesting carrier that seeks access
3 to a loop or a high frequency portion of a loop to provide advanced services must
4 provide to the incumbent LEC information on the type of technology that the
5 requesting carrier seeks to deploy.”⁴⁵

6 If the FCC changes these rules, Qwest agrees to abide by any future FCC
7 requirements regarding the spectrum management, including changes to the
8 required spectrum NC/NCI codes.

9 Treatment of T1s

10 Mr. Wilson raises an issue regarding the disposition of T1s. The FCC has
11 recognized T1s as “known disturbers”; however, Mr. Wilson’s depiction of the
12 FCC rules is somewhat misleading.

13 The FCC has repeatedly recognized that there are competing goals
14 between maximizing non-interference *and* avoiding disruption of existing
15 customer service. For example, in its March 1999 *First Advanced Services*
16 *Order*, the FCC articulated these competing goals as follows:

17 Interfering technologies may include existing technologies, such
18 as AMI T1, which have already been widely deployed in
19 incumbent networks, or future technologies, the effects of which
20 are not yet known. These technologies may cause significant
21 interference with other services deployed in the network. Newer
22 technologies may be able to provide the end user with the same
23 amount of bandwidth while causing less interference with other
24 services . . . Transitioning customers to less interfering

44 Id. at 41.

45 See C.F.R. §51.231(b) (emphasis added).

1 technologies, however, may disrupt service for subscribers.
2 Thus, there are competing goals of maximizing noninterference
3 between technologies and not interfering with subscribers'
4 existing services.⁴⁶

5
6 The current Qwest engineering practices include the use of High
7 bit-rate Digital Subscriber Line, HDSL, a technology recognized and
8 approved by the T1E1, the spectrum management technical advisory
9 group. The Qwest network architecture is designed to minimize the
10 potential interference associated with T1 technology. The Qwest
11 engineering practice segregates T1s, wherever possible, within the cable
12 sheath and places them in binder groups located on the outside of a
13 cable. This placement reduces the potential of interference with other
14 services within adjacent binder groups.

15 AT&T claims that Section 9.2.6.4 is the only section of the FTTH
16 agreement that addresses this issue. That is patently untrue. The
17 manner in which interference problems are handled, regardless of the
18 carrier, are also addressed in Section 9.2.6.5 which states:

19 If either Qwest or CLEC claims a service is significantly degrading the
20 performance of other advanced services or traditional voice band services,
21 then that Party must notify the causing carrier and allow the causing
22 carrier a reasonable opportunity to correct the problem. Upon notification,
23 the causing carrier shall promptly take action to bring its
24 facilities/technology into compliance with industry standards. Upon
25 request, within forty-eight (48) hours, Qwest will provide CLEC with binder
26 group information including cable, pair, carrier and PSD class to allow

⁴⁶ First Report and Order and Further Notice of Proposed Rulemaking, *Deployment of Wireline Services Offering Advanced Telecommunications Capability*, CC Docket No. 98-147, 14 FCC Rcd 4761 ¶ 87 n. 199 (1999) ("*First Advanced Services Order*").

1 CLEC to notify the causing carrier.

2 Qwest currently has several hundred thousand ADSL and HDSL
3 circuits working in its 14 state region. With all of these up and working in
4 the Qwest network, there have been no significant issues that have arisen
5 because of the proximity of these two technologies. To date, no CLEC in
6 any of the states across Qwest's region has identified a T1 as a disturber,
7 nor has Qwest been requested by a CLEC to remove or "change out" a T1
8 because it was causing interference. AT&T, a CLEC that does not provide
9 DSL using the Qwest network, is the only party to raise this issue.
10 Tellingly, it presents no evidence whatsoever of alleged "problems" AT&T
11 has experienced in Minnesota or elsewhere.

12 The current language in the FTTH agreement was recommended
13 by the Facilitator in the Multi-state proceedings to solidify Qwest's
14 obligation to manage T1s and potential interference problems. Virtually all
15 states have adopted similar language for managing T1s.

16 Placement of Qwest's Remote DSL Equipment –

17 AT&T raises the issue of Qwest's placement of Remote DSL equipment.⁴⁷
18 However, once again, Mr. Wilson does not provide any evidence that a problem
19 exists.

20 As of June 27, 2002 Qwest has over 250 Remote DSLAMS deployed in
21 Minnesota. This information is contained in Network Disclosure, Number 459,

⁴⁷ Wilson Checklist Items 4 and 11 Affidavit at 34.

1 which is accessible to CLECs and includes information regarding the location of
2 the Remote DSLAMS. Additionally, the current equipment and deployment
3 practices are in according with industry standards, such as New Equipment
4 Building Standards 1 (NEBS-1), and are similar to the practices of other ILECs
5 throughout the country. To date, no CLEC has complained of interference
6 associated with this equipment. However, on the remote chance that a problem
7 should occur Section 9.2.6.9 of the Minnesota SGAT states:

8 Where CLEC demonstrates to Qwest that it has deployed central office
9 based DSL services serving a reasonably defined area, it shall be entitled
10 to require Qwest to take appropriate measures to mitigate the
11 demonstrable adverse effects on such service that arise from Qwest's use
12 of repeaters or remotely deployed DSL service in that area. It shall be
13 presumed that the costs of such mitigation will not be chargeable to any
14 CLEC or to any other customer; however, Qwest shall have the right to
15 rebut this presumption, which it may do by demonstrating to the
16 Commission by a preponderance of the evidence that the incremental
17 costs of mitigation would be sufficient to cause a substantial effect upon
18 other customers (including but not limited to CLECs securing UNEs) if
19 charged to them. Upon such a showing, the Commission may determine
20 how to apportion responsibility for those costs, including, but not limited to
21 CLECs taking services under this SGAT.
22

23 Contrary to Mr. Wilson's assertions, the FCC does not classify Remote
24 DSL equipment as a known disturber, nor does the FCC imply that the
25 recommendation for the treatment of T1s also applies to Remote DSLs. Finally,
26 the deployment of this equipment in no way can be viewed as anti-competitive
27 and contrary to Section 706 of the Act.⁴⁸ Like Qwest, CLECs can install Remote

⁴⁸ Id. at 34.

1 DSL equipment to serve their end user customers. Mr. Wilson provides no
2 evidence for his alleged "concerns" because no evidence exists.

3 Qwest's treatment of spectrum issues is in full compliance with the current
4 FCC requirements. To the extent that the FCC rules change, Qwest will comply
5 with the new rules.

6 **I. Volumes**

7 Qwest has provided numerous Minnesota CLECs with significant
8 quantities of unbundled loops. As of May 31, 2002, Qwest had provided 27
9 CLECs with 84,231 unbundled loops in service in Minnesota. Specifically,
10 Minnesota CLECs had in service from Qwest 76,585 2-wire voice grade/analog
11 loops, 6,717 xDSL capable loops⁴⁹ and 927 high-capacity loops.⁵⁰ Throughout its
12 14-state territory, Qwest had 383,104 unbundled loops in service as of the end of
13 May 2002. Of this regional total, 322,845 were 2-wire or 4-wire analog/voice
14 grade loops, 53,155 were xDSL capable loops, and 7,144 were high capacity
15 loops.

16 **IV. ISSUES RAISED REGARDING QWEST'S COMPLIANCE WITH THE**
17 **FCC'S REQUIREMENTS FOR SUBLOOPS**

18 Under Section 9.3 of the FTTH Agreement, Qwest offers CLECs access to
19 subloop unbundling such that CLECs can obtain access to portions of an
20 unbundled loop at any Qwest accessible terminal, where Qwest owns and

⁴⁹ This category includes: 2-wire and 4-wire non-loaded loops, ADSL compatible loops, ISDN-BRI loops, and xDSL-I loops.

⁵⁰ This category includes: DS-1 and DS-3 capable loops and OCn loops.

1 maintains the wiring. Two witnesses commented on issues associated with
2 subloop unbundling: Mr. Wilson, on behalf of AT&T, and Mr. Price, on behalf of
3 WorldCom. Because Mr. Price's subloop issue is tied to remote DSLAM
4 deployment and packet switching, his concerns will be addresses by Ms.
5 Stewart. I will address the issues raised Mr. Wilson.

6 However, before addressing the subloop issues raised by AT&T, it is
7 necessary to frame the discussion for Minnesota. Qwest operates in Minnesota
8 under Minimum Point of Presence (MPOP) rules.⁵¹ In Minnesota, the end user
9 owns and controls all wiring from the customer side of the MTE Terminal or NID,
10 except in three situations: trailer parks, marinas, and the airport. Ms. Stewart's
11 direct affidavit discusses the Qwest position to access subloop under all
12 situations. In Minnesota, except for the three situations mentioned above,
13 CLECs are able to access the MTE without contacting Qwest to determine who
14 owns the wire on the customer side. Therefore in the vast majority of situations in
15 Minnesota, subloops do not exist beyond the NID. Based on the subloop
16 discussions in other jurisdictions, AT&T's primary concern regarding sub-loops
17 focused on sub-loops past the NID. Nonetheless, for the benefit of this
18 Commission, Qwest will respond to AT&T's subloop issues.

19 After proceedings on this subject in multiple states, Qwest and the CLEC
20 community have reached consensus on how CLECs should access subloop
21 elements in detached terminals, such as a feeder distribution interface ("FDI").

1 The issues that remain concern how CLECs can access subloops and terminals
2 in multiple tenant environments ("MTEs"). AT&T wants access without any rule
3 or limitation. Qwest asserts that CLECs must follow some minimal access
4 procedures. I will first address AT&T's testimony on subloops.

5 **a. Subloop Access at MTE Terminals**

6 The first issue AT&T raises involves whether Qwest's contractual
7 provisions relating to subloop access are consistent with the FCC's definition. In
8 Minnesota, which is an MPOP state this issue is moot except for marinas, trailer
9 parks and the airport. Notwithstanding the Minnesota situation, it appears AT&T
10 is raising an issue that is an unnecessary hold over from the time when Qwest
11 demanded collocation in MTE terminals. The FTTH interconnection agreement
12 allows CLECs to access NIDs (terminals without a subloop element) and MTE
13 terminals (when subloop access is required) in exactly the same way. Despite
14 this, AT&T contends that any accessible terminal containing a protector in an
15 MTE is a NID and subject to the FCC's rules on access to the unbundled NID.
16 This position appears to be in direct opposition to Mr. Wilson's own testimony
17 regarding unbundled loops.⁵² Mr. Wilson uses various FCC cites to define the
18 local loop. Then Mr. Wilson states: "In addition, the FCC concluded that defining
19 the loop termination point as the demarcation point is preferable to the NID
20 'because in some cases, the NID does not mark the end of the incumbent's

⁵¹ Minnesota Exchange and Network Services Tariff – Section 2.1.1.

⁵² Wilson Checklist Items 4 and 11 Affidavit at pages 4 and 5.

1 control of the loop facility.⁵³ To the extent that an unbundled loop extends to the
2 demarcation, so does a subloop.

3 AT&T's complaint is simply a terminology issue, nothing more. There is
4 no difference in what access CLECs will obtain. Although AT&T asserts that
5 Qwest has "encumbered" access to MTE terminals,⁵⁴ it presents no evidence
6 supporting its position that the mere definition used in Qwest's contractual
7 documents has ever impeded AT&T's access to an MTE in Minnesota. Indeed,
8 as of May 31, 2002, Qwest has in service 69 subloops, none of which are in
9 Minnesota. AT&T's sole issue is what to call these terminals when they are a
10 stand-alone product (a NID) versus terminals with an accompanying subloop (an
11 MTE Terminal). The terminals should have different names to leave absolutely
12 no confusion about whether access to a subloop is involved. When an MTE
13 Terminal is involved, a Qwest subloop exists past the terminal, and the CLEC
14 also wants access to a Qwest subloop past the terminal. When the CLEC orders
15 a NID, the NID itself is the only portion of the Qwest network to which the CLEC
16 seeks access. Generally, this would mean that the NID is a demarcation point
17 between the Qwest network and customer-owned inside wire.

18 In making its arguments, AT&T cites to Rule 319(a)(2)(D), 47 C.F.R.
19 § 319(a)(2)(D), that provides "[a]ccess to the subloop is subject to the
20 Commission's collocation rules." To avoid the application of the collocation rules,

⁵³ UNE Remand at ¶ 168.

⁵⁴ Wilson Emerging Services Affidavit at 9.

1 AT&T claims that the accessible terminals it seeks to access in conjunction with
2 subloop elements constitute unbundled NIDs and, therefore, are not subject to
3 the collocation rules. However, Qwest does not seek to require CLECs to
4 collocate in either NIDs or MTE Terminals to obtain subloop unbundling. Section
5 9.3.3.1 of the FTTH agreement specifically states that no such collocation is
6 required.

7 9.3.3.1 Access to Distribution Loops or Intra-building Cable
8 Loops at an MTE Terminal within a non-Qwest owned MTE is done
9 through an MTE-POI. Remote Collocation is not necessary
10 because CLEC can access the Subloop without placing facilities in
11 a Qwest Premises.
12

13 The crux of the purported disagreement between AT&T and Qwest turns
14 on the FCC's description of these two UNEs – subloop and NID. Essentially,
15 AT&T claims that any accessible terminal that includes the cross-connect and
16 electrical over-voltage protections that a NID performs constitutes a NID to which
17 Qwest must provide unbundled access pursuant to Rule 319(b). This contention
18 ignores the FCC's plain distinction between the functionality of the NID, which the
19 FCC expressly held is included as part of a subloop, and the unbundled network
20 element NID, which the FCC clearly defined as the demarcation point between
21 "end-user customer premises wiring [and] the incumbent LEC's distribution
22 plant."⁵⁵ Thus, all Qwest is stating is that CLECs must order subloops pursuant to
23 subloop contractual provisions (Section 9.3 of the FTTH agreement) and NIDs

⁵⁵ *UNE Remand Order* ¶ 233.

1 pursuant to NID contractual provisions (Section 9.5 of the FTTH agreement).
2 The processes involved have much agreed-upon overlap, but the differences
3 required for subloop access are necessary to ensure Qwest can monitor, repair,
4 and bill for its subloop elements.

5 In the Multi-State workshops, the Multi-State Facilitator considered this
6 issue in the Third Report on Emerging Services.⁵⁶ The Multi-State Facilitator
7 determined that Qwest's treatment of NIDs and MTE terminals was appropriate
8 and determined that agreement language should be flexible enough to allow a
9 case-by-case assessment of "accessible" terminal by subloop elements.⁵⁷ Qwest
10 agrees with this recommendation. Qwest's interconnection agreement with
11 FTTH reflects this flexibility. This Commission should find that Qwest meets its
12 obligations to provide access to subloops at MTE terminals.

13 **b. MTE Access Protocol**

14 Despite months of negotiating terms of a standard protocol for access to
15 MTEs, a process in which Qwest adopted virtually all of AT&T's recommended
16 revisions, AT&T still raises minor issues with the MTE Access Protocol which it
17 alleges leaves it "extremely concerned."⁵⁸ Qwest is confused by AT&T's
18 expressed "concerns." First, attached hereto as Exhibit DP-LOOP-10 are
19 excerpts from the Washington Workshop 4 transcript in which it is clear that

⁵⁶ Exhibit DP-LOOP-23 at page 27-30 addresses this Multi-state impasse issue.

⁵⁷ Id. at 29-30.

⁵⁸ Wilson Emerging Services Affidavit at 9.

1 AT&T and Qwest resolved virtually all issues surrounding the MTE Access
2 Protocol. Second, Mr. Wilson attached to his testimony Version 3 of the
3 Standard MTE Access Protocol that incorporates recommendations of Chairman
4 Gifford in Colorado. Recently, in South Dakota, Mr. Wilson stated that Chairman
5 Gifford "addressed many of AT&T's issues related to the access protocol" and
6 that adoption of his required language would be "appropriate."⁵⁹ Thus, AT&T has
7 already acknowledged that Version 3 of the Access Protocol is "appropriate."
8 Given this acknowledgement, AT&T's so-called concerns regarding Version 3 of
9 the MTE Access Protocol should be ignored. Qwest stands ready to use Version
10 3 of the MTE Access Protocol in Minnesota.

11 Regardless, AT&T's attacks on the MTE Access Protocol are meritless
12 and do not rise to any level that would affect Qwest's compliance with Section
13 271.⁶⁰ For example, Mr. Wilson complains that the 66 and 76 type terminal
14 blocks are the only terminal blocks identified by in the Protocol.⁶¹ The reason
15 these are singled out is that they constitute the vast majority of all terminals in
16 use by Qwest. Although other types of terminal blocks are in use, they are not in
17 any significant quantities. Therefore, it would be uneconomical for Qwest to

⁵⁹ AT&T's Verified Comments on Emerging Services in South Dakota at page 11.

⁶⁰ The FTTH Agreement permits a CLEC to negotiate its own access protocol if it does not wish to use the standard MTE access protocol. FTTH Agreement, § 9.3.5.4.5.1.

⁶¹ Wilson Emerging Services Affidavit at 11.

1 develop standardized processes for access to all types of blocks when CLECs
2 would rarely encounter them.

3 Mr. Wilson also states that "Qwest has given itself the unilateral ability to
4 place a single point of interconnection (SPOI) instead of allowing the CLECs
5 direct access to the NID for Options 1-3."⁶² The Protocol states, "Terminal
6 technology and/or subloop volume may necessitate placement or re-placement
7 or a cross-connect field to serve as a single point of interconnection (SPOI)."
8 However, Qwest would only establish a SPOI if direct access was not possible.

9 **c. Requiring Local Service Requests (LSRs) for Access to**
10 **Premise Wiring at MTEs**

11 AT&T's second subloop issue in an MTE environment is whether CLECs
12 must order subloops using the standard LSR process. AT&T contends that it
13 should not be required to use an LSR even though it has acknowledged that use
14 of an LSR is appropriate for almost all aspects of subloop unbundling.

15 Mr. Wilson expends much effort to discuss issues that are not relevant in
16 this state. His references to situations present in other states are not applicable
17 because those states are governed by a different tariff, namely the Cable Wire
18 Service Termination Policy ("CWSTP"). Mr. Wilson is apparently unaware that
19 Minnesota is a "MPOP" state, meaning that in Minnesota, Qwest does not own
20 the intra-building cable, simple or complex inside wiring or on premises cable,
21 except in very limited cases as defined by the Minnesota Exchange and Network

⁶² Id. at 12.

1 Services Tariff. Thus, options 2 and 3 of the CWSTP are not virtually
2 inapplicable in this state. Because Qwest does not own intra-building cable, Mr.
3 Wilson's argument around CLEC submission of LSRs for on-premises wiring is
4 moot. Although LSRs are generally required for ordering subloops, CLECs will
5 only have to submit LSRs in a relatively few instances -- namely trailer parks,
6 marinas, and the airport. In all other situations, CLECs must negotiate this issue
7 with the building owner.

8 Regardless of the rarity of occurrences for Minnesota, it is important to
9 note that virtually all state commissions in Qwest's region have rejected AT&T's
10 arguments. In the Multi-State workshops, the Facilitator discounted the AT&T
11 suggestion to have CLECs avoid a standard LSR process by sending in monthly
12 counts to Qwest.⁶³ Every state commission, except Oregon, has specifically
13 required use of the LSR. Qwest notes that in making its recommendation, the
14 Oregon Commission relied upon a recommendation of the Washington
15 Administrative Law Judge. The Washington Commission, however, declined to
16 follow that recommendation, and, accordingly, it decided the issue consistent
17 with the decisions of the other 11 states that have addressed it to date.⁶⁴ Upon

⁶³ Exhibit DP-LOOP-23 at 31.

⁶⁴ 28th Supplemental Order; Commission Order Addressing Workshop Four Issues: Checklist Item No. 4 (Loops), Emerging Services, General Terms and Conditions, Public Interest, Track A, and Section 272, *Investigation into U S WEST Communications, Inc.'s Compliance with Section 271 of the Telecommunications Act of 1996*; *U S WEST Communications, Inc.'s Statement of Generally Available Terms Pursuant to Section 252(f) of the Telecommunications Act of 1996*, Dockets UT-003022, UT 003040, at 28-

1 AT&T's request for reconsideration of this ruling, the Washington Commission
2 reaffirmed its decision that requiring LSRs for subloops was reasonable: "We
3 find it reasonable for Qwest to require an LSR for an order, even if it is for such a
4 small item as a inside wire subloop. We also find it reasonable for Qwest to have
5 consistent ordering practices across its region to allow its employees to more
6 efficiently provide service."⁶⁵

7 In rejecting this proposal, the Multi-State Facilitator determined:

8 AT&T's arguments about the low cost and the low incidence of
9 repair for on-premises wiring does not support its proposed
10 long-term solution. Because Qwest is entitled to bill for the
11 wiring if it owns it, it is also entitled to regularity and
12 completeness for billing purposes. LSRs provide an efficient
13 means of getting Qwest's billing systems the information
14 needed; comparable manual methods would not be efficient;
15 and AT&T's solution is simply not rigorous enough to offer
16 Qwest what it is entitled to have when it makes its facilities
17 available for CLEC use as subloop elements.⁶⁶

18 The Multi-State Facilitator also addressed the timing concerns of the
19 CLECs in having to have complete LSRs the first time they access an MTE
20 location. To address that issue, Qwest agreed to implement the Facilitator's
21 recommendation that Qwest allow CLECs to submit incomplete LSRs the first

29 (WUTC Mar. 12, 2002). Qwest has filed comments in Oregon asking for review of this issue in light of the Washington Commission's determination.

65 31st Supplemental Order; Order Granting Qwest's Petition for Reconsideration of the 24th Supplemental Order and Granting and Denying Petitions for Reconsideration of the 28th Supplemental Order, *Investigation into U S WEST Communications, Inc.'s Compliance with Section 271 of the Telecommunications Act of 1996; U S WEST Communications, Inc.'s Statement of Generally Available Terms Pursuant to Section 252(f) of the Telecommunications Act of 1996*, Dockets UT-003022, UT 003040, at 11 (WUTC Apr. 12, 2002).

1 time the CLEC accesses Qwest subloop elements at an MTE. However, as
2 stated earlier, because Minnesota is a MPOP state, the claims made by Mr.
3 Wilson are essentially moot.

4 **d. CLEC Facility Inventories**

5 Because Minnesota is an MPOP state AT&T's complaints regarding CLEC
6 facility inventories is also moot. In other states, Qwest is responsible for creating
7 an inventory (not the CLEC) to track CLEC usage of Qwest-owned intra-building
8 cable. However, since Qwest does not own intra-building cable in Minnesota,
9 there is no inventory issue.

10 **e. Availability of All Subloop Types**

11 Mr. Wilson claims that Qwest does not make all subloop varieties
12 available to CLECs. This is plainly incorrect. Qwest's agreement with FTTH
13 specifies four subloop types as the "standard" subloop offerings.⁶⁷ Qwest notes
14 that CLECs have in service only 69 subloops in Qwest's 14-state region, all
15 requested by CLECs from the standard subloop categories. However, in
16 addition to these standard subloop varieties, Qwest has already committed to
17 provide additional subloop varieties pursuant to Qwest's Special Request
18 Process. This is explicitly stated in Section 9.3.1.7 of the FTTH agreement.
19 Thus, Mr. Wilson is incorrect when he states that Qwest does not offer the

⁶⁶ Exhibit DP-LOOP-23 at 31.

⁶⁷ FTTH Agreement, § 9.3.1.2.

1 additional types of subloops he identifies in his testimony. Qwest clearly does
2 under the FTTH agreement.

3 In addition, AT&T has acknowledged in other proceedings that use of the
4 Special Request Process for these subloop types is appropriate. For example, in
5 the Washington workshops, AT&T agreed that additional subloops not expressly
6 identified in the Washington SGAT could be made available through the Special
7 Request Process, and that this agreement should be memorialized in Section
8 9.3.1.7.⁶⁸ This same language appears in the FTTH agreement in Minnesota. In
9 Colorado, AT&T also agreed with this resolution. Indeed, there Mr. Wilson stated
10 that AT&T believed the SRP process was appropriate for copper feeder because
11 it is an "an infrastructure kind of a subloop element. It's not something
12 immediately needed for a . . . particular customer or end-user."⁶⁹ Thus, AT&T has
13 already acknowledged that use of the Special Request Process for additional
14 subloop access is appropriate.⁷⁰

⁶⁸ Exhibit DP-LOOP-24 (Washington Workshop Tr. Vol. XXXII at 4674-75).

⁶⁹ Exhibit DP-LOOP-25 (Colorado Tr. 4/20/01 at 106-09).

⁷⁰ I am troubled, however, by the manner in which AT&T is proposing to utilize and portrays the use of these new "parts" of the subloop elements. In Wyoming, for instance, Mr. Wilson provided an illustrative diagram depicting a fiber route to a remote terminal and the facilities extending from the remote terminal to a feeder distribution interfaced. He used this diagram to demonstrate the piece of the network that, in this case, a CLEC would potentially want to use. When asked by one of the Commissioners if his proposal would strand Qwest facilities, Mr. Wilson stated that facilities would not be stranded. However, it was apparent from Mr. Wilson's explanation and the drawing that facilities were indeed stranded with little or no functionality remaining for either Qwest or CLEC use in the future. The Wyoming Commission apparently agreed and dismissed this issue.

Beyond this prior consensus, Qwest notes that the demand for the additional types of subloop that Mr. Wilson identifies is extremely low if not non-existent. It makes no sense for Qwest to develop standardized processes for subloop products with little, if any demand. The Special Request Process, which itself was negotiated during the course of 271 workshops in numerous states, is an appropriate vehicle to address these infrequently requested subloop types.

V. ISSUES RAISED REGARDING QWEST'S COMPLIANCE WITH THE FCC'S REQUIREMENTS FOR NIDS

a. NID Access

Qwest provides nondiscriminatory access to the Network Interface Device ("NID"). Qwest allows requesting CLECs to connect their own loop facilities to on-premises wiring through Qwest's NID or at any other technically feasible point. Pursuant to Section 9.5 of the FTTH Agreement, Qwest has a concrete and specific legal obligation to provide CLECs with access to unbundled NIDs. Qwest makes these provisions available to all CLECs whose interconnection agreement includes NIDs. Qwest provides access to NIDs of all types on a stand-alone basis or as part of its unbundled loop and subloop offerings. The FCC defines the NID network element as "any means of interconnection of end-user customer premises wiring to the incumbent LEC's distribution plant, such as a cross connect device used for that purpose."⁷¹ In the UNE Remand Order, the

⁷¹ 47 C.F.R. § 51.319 (b).

1 FCC clarified that when a CLEC receives an unbundled NID from Qwest, it
2 includes “all the features, functions, and capabilities of the facilities used to
3 connect the loop distribution plant to the customer premises wiring, regardless of
4 the particular design of the NID mechanism.”⁷²

5 Qwest’s NID policy, as presented in Section 9.5 of the FTTH Agreement is
6 in full compliance with FCC rulings. CLECs have three ways to obtain access to
7 a NID – in conjunction with an unbundled loop; with a subloop; or as a stand-
8 alone NID. In all situations, CLECs have access to all the features,
9 functionalities, and capabilities of the NID. If a CLEC seeks to access a NID as
10 well as a subloop connected to the NID, it may do so only pursuant to subloop
11 procedures discussed in the Emerging Services Affidavit of Ms. Karen A.
12 Stewart.⁷³

13 **b. NID Security**

14 Mr. Wilson makes reference to a time in 2000 when Qwest was
15 padlocking NIDs.⁷⁴ This is not and has never been a Qwest policy. The 2000
16 situation in Washington was an isolated local practice instituted to prevent AT&T
17 from breaking into the boxes. Qwest’s NID policy not only provides CLECs with
18 access to the NIDs, but it also allows the CLECs to perform their own wiring at
19 the Qwest NID. Although the Qwest policy does not include padlocking the NID, it
20 is possible for a CLEC to encounter a locked NID. In most instances, these

⁷² *UNE Remand Order*, ¶ 233.

⁷³ Affidavit of Karen A. Stewart, January 16, 2002 at p. 20 - 22

1 devices are placed either by the end user, in the case of stand-alone NID on
2 single family dwelling units or in an MTE environment by a security company or
3 the property management company itself. Usually, they are placed in order to
4 reduce the amount of unauthorized access occurring by tenants and outside
5 vendors. In my vast experience as an I&M Technician, there were limited
6 instances where the property owner requested that Qwest place padlocks on a
7 terminal as a result of recurring instances of vandalism. In these cases, however,
8 the property owner retains the key or combination to access the terminal, and it is
9 available to the service provider by either calling or visiting a suite or
10 management office within the complex. This is no different than an owner of a
11 multi-tenant dwelling locking the door to the telephone terminal room in order to
12 guard against unauthorized entry or to keep tenants from altering the current
13 configuration.

14 While researching this issue, Qwest uncovered a letter dated October 26,
15 2000 from Timothy D. Boykin, District Manager of AT&T's Carrier Marketing, to
16 Qwest's Wholesale Account Manager Mark Miller notifying Qwest of the
17 combinations of padlocks that AT&T had placed at 4 or 5 locations in Colorado.⁷⁴
18 It is surprising, therefore, that AT&T raises this isolated, dated and resolved issue
19 when AT&T itself has padlocked terminals.

⁷⁴ Emerging Services Affidavit of Mr. Wilson at 4.

⁷⁵ Confidential Exhibit DP-LOOP-C26.

1 **c. Removal of Qwest Facilities from the NID**

2 In the Washington 271 workshops, Mr. Wilson produced an outdated
3 excerpt from a 1969 Bell System Practice showing the removal of an aerial drop
4 from porcelain protector, clearing the ends and tying it back on itself. This
5 document was published long before AT&T's divestiture at a time when AT&T
6 was the sole provider of telecommunications in the country.⁷⁶ Mr. Wilson relies
7 upon Section 3.01 and 3.02 of this outdated document as the basis for his
8 argument that AT&T should be allowed to remove a Qwest drop from a Qwest
9 NID, let the Qwest facility dangle in mid-air, thereby giving AT&T space to
10 terminate its drop. Mr. Wilson did not differentiate between an aerial or buried
11 drop, although his example only depicted an aerial drop.

12 Mr. Wilson ignores, however, that the practice cited in Section 3.01 and
13 3.02 dealt specifically with a scenario in which the entire protector (NID) was
14 being removed from the house. In that same document Section 2.01 states the
15 following: "Where station protector or connecting block is not to be removed, do
16 not disconnect the outside drop at the customer building."

17 Based on Mr. Wilson's own Bellcore document, the Qwest drop should be
18 left in place and not removed from the NID to make room for the CLEC drop.
19 The drop should remain terminated in order to provide over-voltage protection in
20 case of the accidental introduction of additional voltage into the circuit. If space

⁷⁶ Exhibit DP-Loop-11 is a copy of practice Mr. Wilson refers to in his affidavit.

1 is available in the Qwest NID, the CLEC is able to use the remaining capacity to
2 terminate its drop.

3 Protection is further discussed in another exhibit AT&T cited in the same
4 Washington Workshop, AT&T Exhibit 407, which is included in Exhibit DP-LOOP-
5 11. In chapter 8, section C, subsection 800-30, Protective Devices, of this exhibit
6 it states:

7 A listed primary protector shall be provided on each circuit run partly or
8 entirely in aerial wire or aerial cable not confined with a block. Also, a
9 listed primary protector shall be provided on each circuit, aerial or
10 underground, located within the block containing the building served so as
11 to be exposed to accidental contact with electric light or power conductors
12 operating at over 300 volts to ground. In addition, where there exists a
13 lightning exposure, each inter-building circuit on a premises shall be
14 protected by a listed primary protector at each end of the inter-building
15 circuit. Installation of primary protectors shall also comply with Section
16 110-3(b).

17
18 Thus, the documents AT&T relies upon do not support its position.

19
20 **d. Access Protocol**

21 Qwest's Standard Multi Tenant Environment (MTE) Terminal Access
22 Protocol provides CLECs with direct access to its multi-tenant environment
23 (MTE) terminals, see Exhibit DP LOOP-12. Direct access to Qwest MTE
24 terminals is provided for the purpose of accessing wire owned by Qwest.
25 However, as stated earlier in this affidavit, Minnesota is a MPOP state and as
26 such, Qwest does not own, except in very limited instances, simple or complex
27 inside wiring or on premises cable. CLEC in the State of Minnesota requiring

1 access to inside wire will have to make such arrangements with the owner of
2 facilities extending beyond the Qwest demarcation point.

3 **e. Minnesota as a MPOP State**

4 As discussed at length in the subloop section of my testimony, Minnesota
5 is an MPOP state. As a result, the majority of Mr. Wilson's testimony is
6 irrelevant. Because Qwest does not own premises wire, CLECs have no need to
7 inquire of Qwest of wire ownership and no need to submit a LSR for inventory or
8 billing purposes. Instead, because Qwest does not own Simple, Complex or on-
9 premises wiring past the demarcation point (except in the three limited
10 circumstances discussed above), AT&T and other Minnesota CLECs need to
11 approach and negotiate with the property owner, not Qwest, regarding access.

12 **f. NID activity in Minnesota**

13 Qwest complies with the NID requirements in Section 271 (c)(2)(B)(iv) of
14 the 1996 Telecommunications Act and provides nondiscriminatory access to
15 features, functions and capabilities of the NID to CLECs across the state of
16 Minnesota. In Minnesota, Qwest has provisioned 81,768 NIDs, all in conjunction
17 with unbundled loops, affording Minnesota CLECs a meaningful opportunity to
18 compete. To date, no Minnesota CLEC has requested access to a stand-alone
19 NID. However, Qwest stands ready to meet any requests that are made. This
20 Commission should find that Qwest satisfies this aspect of checklist item 4.

1 **VI. CONCLUSION OF TESTIMONY**

2 The issues raised by intervenors should be resolved in Qwest's favor. For
3 the reasons set forth above and in the Qwest affidavits filed by Ms. Liston and
4 Ms. Stewart, the Minnesota Public Utilities Commission should recommend that
5 Qwest complies with the requirements of checklist items 2 and 4 as they relate to
6 subloops, unbundled loops, and NIDs.

